http://www.amazon.com/Geography-Physical-Student-GLENCOE-GEOGRAPHY/dp/0076642887/ref=sr 1 1?s=books&ie=UTF8&qid=1445589220&sr=1-1&keywords=geography+the+human+and+physical+world

UNDERSTANDING BY



- · Culture influences people's perceptions of places and regions.
- · The characteristics and distribution of human populations affect physical and human systems.

Essential Question

· How do physical systems and human systems shape a place?

Students will know:

- · the landforms, water system, climate regions, biomes, and natural resources of Latin America
- · how Latin America's physical geography affects climate, population patterns, and economic development
- how Native American empires and colonial rule influenced Latin America's history, culture, and political and social structures
- · the population characteristics of Latin America today
- · the causes and effects of environmental issues in Latin America and efforts to address these issues
- how economies in Latin America have become part of the global economy

Key for Using the Teacher Edition

Types of skill activities found in the Teacher Edition.

Reading Skills help students practice reading

Critical Thinking Skills help students apply

Writing Skills provide writing opportunities to

SKILL-BASED ACTIVITIES

graphs, charts, and photos.

skills and master vocabulary.

and extend what they have learned.

help students comprehend the text.

Students will be able to:

describe natural features of Latin America.

1/36

- · analyze how Latin America's physical geography affects the people that live there
- · explain the influence of indigenous peoples and Europeans on Latin America's history and culture
- · identify causes and effects of and possible solutions to environmental issues
- describe population patterns and economic activities of Latin America
- discuss history, governments, and cultures of Latin America

Predictable Misunderstandings

- · All of Mexico has the same warm climate.
- Most people in Mexico live in poor, rural areas.
- Mexico does not have many natural resources.
- Mexico has a pristine, undisturbed environment.
- · The water supply for Central America and the Caribbean comes from the surrounding oceans.
- · People living in Central America and the Caribbean are of Spanish descent.
- · Deforestation is an issue in South America, but not Central America.
- The geography and climate is the same throughout
- · People living in South America are all of Spanish descent.
- · Desertification only happens near deserts.

DIFFERENTIATED INSTRUCTION

All activities are written for the on-level student unless otherwise marked with the leveled labels below. Visual Skills require students to analyze maps,

Beyond Level

Approaching Level

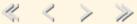
English Language Learners

All students benefit from activities that utilize different learning styles. Many activities are marked as below when a particular learning style is highlighted.

Intrapersonal Logical/Mathematical Visual/Spatial Verbal/Linguistic

Naturalist Auditory/Musical Interpersonal

Technology Skills require students to use digital tools effectively. *Letters are followed by a number when there is more than one of the same type of skill on the page.







Assessment Evidence

Performance Tasks:

- · Environmental Case Study
- GeoLab Activity
- GIS Simulations
- Hands-On Chapter Projects

Other Evidence:

- Location Activity
- Self-Check Quizzes
- Lesson Ouizzes
- · Participation in Interactive Whiteboard Activities
- Contribution to small-group activities
- Interpretation of slideshow images
- Participation in class discussions about Latin America
- · Analysis of graphic organizers, graphs, and charts
- Lesson Reviews
- Chapter Assessments

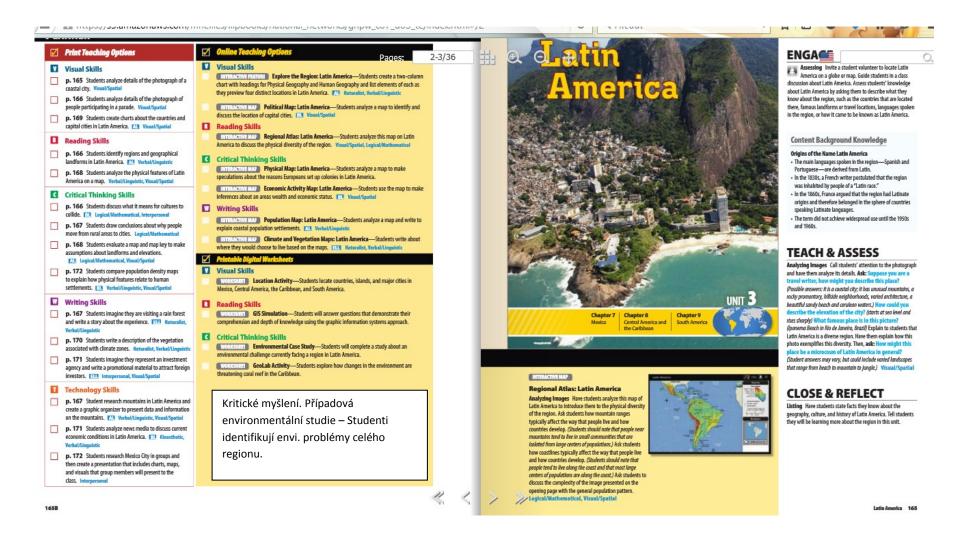
SUGGESTED PACING GUIDE

Introducing the Unit	1 Day
Chapter 7: Mexico	. 5 Days
Case Study: Development in Haiti	1 Day
Chapter 8: Central America and the Caribbean	. 5 Days
Chapter 9: South America	. 5 Days
Global Connections: Deforestation in Amazon	1 Day

TOTAL TIME 18 Days

Unit 3 Planner 165A

Vizální dovednosti, Čtení, Kritické myšlení, psaní, používání technologií Tištěná verze, Online – verze, Pracovní listy



Laun America

ENGAGE V Visual Skills

Analyzing images Encourage students to analyze the image by adding the following series of questions, ask:
What is happening in the photoic Popule holding a ponode)
Where might this her Enjalain. (Possible answer: It might be in the old part of a city because there are old looking buildings and drumches in the photoi. What can you tell about the people! (dressed in traditional garb or costumers, notive enthodry) What close this tell you about the culture of Latin America? (Possible answers: people are religious; people value old traditions; o mix of old and new; celebrating an event or manching in a traditional proade! Visual/Spatial

TEACH & ASSESS

Critical Thinking Skills

Interpreting Discuss what it means for cultures to collide.

Ask: Does the phrase "cultures have collided" mean the
cultures are at odds or at ware [Provide enswer: In some
ones, yet, but in other cases it means they have melded or
blended. The people of the region have bed to old customs, but
have token on new ones,) in the case of Latin America, what
cultures have collided or blended! (the notive or indigenous
with Europeans) Ensintation which Europeans first settled in
Latin America. Epansh and Prunguese, followed by Fernch!
laves students discuss what they inow about the colonial
history of the region and how it compares to the history of
Borth America. [13] Interpersonal, Logical/

R Reading Skills

Identifying Have a student volunteer read aloud the section "Explore the Region." Ask: What regions make up Latin America? (Mocko, Gentol America, Hoc Garbokam, and South America) Which of these is a continent? (South America) Which are some important geographica! landforms in Latin America? Qindes Mountais, ruin forests, Amazon River) Have students name as many countries as they can in Central and South America, as well as some of the countries that make up the Carlbokam Islands. [77] Verbal Linouistic



networks Online Teaching Option

INTERACTIVE FEATUR

Explore the Region: Latin America Previewing This interactive feature showcass four distinct locations within latin America to provide students with a preview of the regions's rich diversity. Before starting the activity, have students create a two-column chart with the headings Physical Geography and Human Geography. Click through each of the interactive Beatures and have students list diverse elements presented under each heading. Then guide a class Glossion as students share their lists to contrast the physical and human geography of Latin America. [7.1] Naturalist, Verbal/Linguistic



WORKSHEETS

Previous page

Latin America

Demonstrating Use these unit digital worksheets to have students demonstrate their depth of knowledge and comprehension, and to provide them with extended unit content through project-based and case studies activities.

- Environmental Case Study
- GIS Simulation
- Location Activity



Critical Thinking Skills

LAND BUILDING

Drawing Conclusions Point out to students that this photograph shows a famous cathedral in one of the world's largest cities, Mexico (II), Ade: Why do you suppose many people in Latin America are moving from rural areas to cities? Amonly for work or economic dohorcement (Why would popurtunities be better in a city than in a rural areas to more hostnesses; need for service providers) What are the pros and cons of living and working in a city? Plossible answers: cities offer work opportunities, cultivated obvortings, many services, but are crowded and sometimes unhealthy; rural areas offer a quiete this Cue lent communities but frever opportunities and services. J What affect does rapid population growth have on cities? Plossible conswers: strakes on city services, hostogra, and infastructure). Logical/Makthematical

W Writing Skills

Narrative Review what students know about rain forests and their importance. Have students imagine that they are visting a rain forest in one of the regions in Latin America. Rave them write a story about their experience, making sure they describe the flora, fauna, and important features of the region. [III Naturalist, Verbal/Linguistic

Technology Skills

Researching Have students research some of the major mountain chains found in Latin America, such as the Andes, Senera, Alop, Rodes, and Himalipanes. Rever students create a graphic organizer that ranks these mountains in terms of length, height, most voicances, or other unique features. Then have students present their findings to the class. EXI Verhal/Linguistic, Visual/Spatial

CLOSE & REFLECT

Reaching Conclusions Review the various factors that have been introduced to students in this unit feature. Ask students to consider all of these factors and write a concluding statement about Latin America.



Latin America 167



Reading Skills

Activating Prior Knowledge Before class, write out the names of the five or six most iconic physical features of Latin America, such as the Andes, the Sierra Madre, the Amazon, the Isthmus of Panama, Tierra de Fuego, and Cape Horn. Challenge students to name the country in which each is located. Tell students that they will be learning more about these and other geographical features of Latin America as they study the maps in this unit.

TEACH & ASSESS

C Critical Thinking Skills

Evaluating Ask students to focus on the map key and to note what the different colors represent. Ask: Which co sents the highest elevations? (dark orange) What assumptions can you make about the landforms that represent the areas at the highest elevations? (mostly mountains) Where would you expect to find the lowest elevations? (beaches, river deltas) Have students examine the map to see if their hypotheses are accurate.

Reading Skills

Analyzing Visuals Have students analyze the physical features of Latin America. Ask:

- America? (along the western rim)
- Would you say most of South America is lowlands o highlands? (lowlands)
- What about Mexico, Central America, and the Caribbean Islands? (Mexico: mostly highlands: Central America and the Caribbean: mostly lowlands)
- Which mountain range is highes? (Andes)
 What do you notice about the flow of the major rive systems in South America? (Arato Into the Atlantic Ocean)

Have students locate and discuss the land barriers in Latin America that may have slowed human travel and development. Verbal/Linguistic, Visual/Spatial

ANSWERS, p. 168

MAP STUDY

- 1. Mountains, rivers, and the rain forest present physical barriers to the development of Latin America.
- 2. France, the Netherlands, and the United Kingdom still control territory in Latin America.



Physical: Latin America

Speculating Display the Interactive map to discuss the physical diversity of Latin America, the effect of the region's proximity to the equator on climate, and its opening to European colonization. Ask students to speculate on reasons why Europeans were interested in setting up colonies, as well as reasons why this region continues to hold economic interest for many countries around the world. Wisual/Spatial,



Political Map: Latin America

Spatial Analysis Use this map to discuss the location of capital cities. Have students locate and identify several capital cities of countries in Latin America, specifically pointing out Guatemala, San Salvador, Managua, San Jose, and Panama. Have students form small groups. Ask groups to discuss what they have learned about centers of population and how this might relate to the location of these capital cities Then have them locate other capital cities that have similar spatial locations. Students should note that many capital cities > are located along the coast lines, which are often the Next page population. It Visual/Spatial



V Visual Skills

Creating Charts Discuss the purpose of political maps and the kinds of information that can be gained from them. (locations of countries, national boundaries, capital and other cities, major bodies of water and waterways) Have students use the map to make a chart of the countries of Latin America and their capitals. Challenge students to makes comparisons about the countries and add these to the chart, noting such things as blogest, smallest, coastal, landlocked, and other facts.

Reading Skills

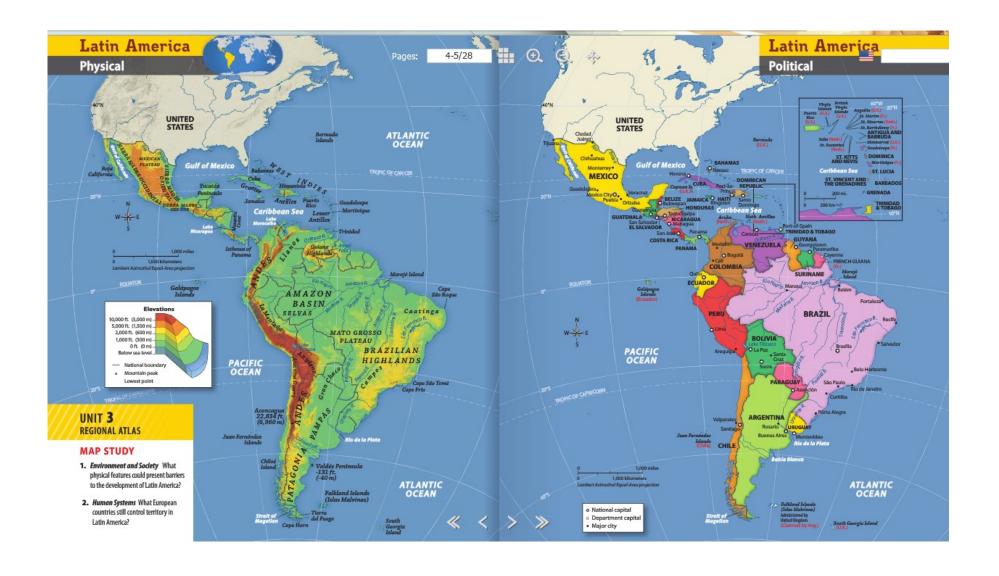
Reading Maps Ask students to explain the purpose of the inset on the map. Ask a student volunteer to explain the difference between an independent nation and a dependent territory. Have students name the major Caribbean Islands and identify which islands are dependent territories and to what country each belongs. Verbal/Linguistic, Visual/Spatial

Making Connections

The United States has a large population of people from Puerto Rico, Cuba, and other Caribbean Islands. These islands are also popular vacation destinations. Invite students who have visited any of these islands or have other connections to them to describe their experiences.

Writing Skills

Informative/Explanatory Ask students to find recent news articles about countries located in Latin America. Topics could include presidential elections, political uprisings, economic forecasts, land or resource disputes, climate-related problems, or natural disasters. Have students write headlines for each of these stories. Use these headlines to lead a class discussion on current events in Latin America. Have students locate each country on the political map of Latin America.



Critical Thinking Skills

LOUIS MITTER ING

Drawing Conclusions Ask: Have students use the map key to identify the major climate zones in Latin America. Review what the blue and red arrows on the map indicate. Invite students to brainstorm how the Peru and Brazil currents influence climates along the masts

- · What can be said about the climate of Mexico? (diverse; ranges from arid to tropical rain forest) And of South America? (even more diverse)
- western South America in the Andes and at the very tip of the continent in the high latitudes where it is closest to Antarctica)
- What is the relationship, if any, between the climate zones and their proximity to the equator? (Generally) climates are warmest near the equator.)
- How does elevation affect this overall patte (Mountainous areas on the equator have cooler temperatures than lowland areas due to elevation.)

Logical/Mathematical, Visual/Spatial, Verbal/Linguistic

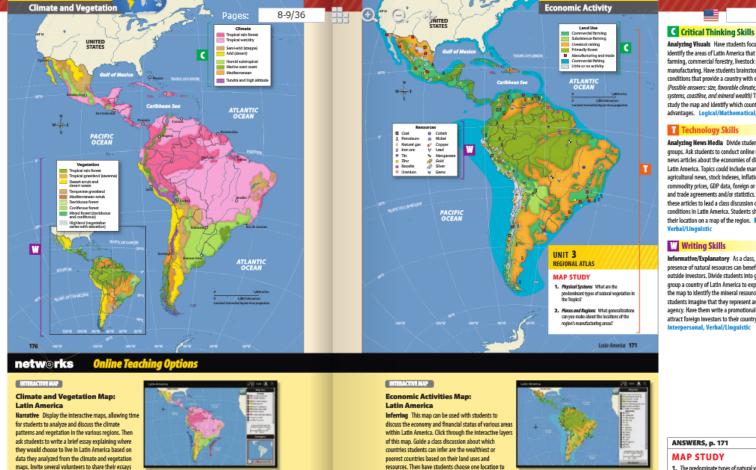
Content Background Knowledge

Ocean Currents The Peru Current, also called the Humboldt Current, is a cold-water current. It has a cooling influence on the climate of Chile, Peru, and Ecuador, This cooling effect also retards rain production in the region. The Brazil Current is a warm-water current. It has a warming influence on the Brazilian coast, providing tourists with warm, sun-drenched beaches.

W Writing Skills

Informative/Explanatory Have students compare the climate map to the vegetation map of Latin America. Have students write a paragraph describing the vegetation associated with each climate zone. [11] Naturalist,

with the class. [ELL] Naturalist, Verbal/Linguistic



research further to see if their hypothesis about that country's financial status is correct. Have students report

their findings to the class. Visual/Spatial

Analyzing Visuals Have students focus on the map key to identify the areas of Latin America that support commercial farming, commercial forestry, livestock raising, and manufacturing. Have students brainstorm geographic conditions that provide a country with economic advantages. (Possible answers: size, favorable climate, good farmland, river systems, coastline, and mineral wealth) Then ask students to study the map and identify which countries have these advantages. Logical/Mathematical, Visual/Spatial

Technology Skills

Laum America

Analyzing News Media Divide students into pairs or small groups. Ask students to conduct online research to find recent news articles about the economies of different countries of Latin America. Topics could include manufacturing and/or agricultural news, stock indexes, inflation, unemployment, commodity prices, GDP data, foreign or domestic investment, and trade agreements and/or statistics. Have students use these articles to lead a class discussion on current economic conditions in Latin America. Students should tag each story to their location on a map of the region. [3] Kinesth Verbal/Linguistic

Writing Skills

Informative/Explanatory As a class, discuss how the presence of natural resources can benefit a country and attract outside investors. Divide students into groups and assign each group a country of Latin America to explore. Have students use the map to identify the mineral resources of that country. Have students imagine that they represent an investment promotion agency. Have them write a promotional piece designed to attract foreign investors to their country. Interpersonal, Verbal/Linguistic

ANSWERS, p. 171

MAP STUDY

- 1. The predominate types of natural vegetation are tropical rain forest, tropical grassland, and desert scrub and waste.
- 2. Mexico has manufacturing and trade in various locations along the coast and in the interior where large dties are located. In South America, manufacturing and trade locations are primarily located along the coasts.

G Critical Thinking Skills

Evaluating Discuss the meaning of population density. (overage number of people living in a square mile area) Have students focus on the map key. Ask: Which population density? (worse) the nonecondition which without looking at the map, where would you expect to find the highest population densities in Latin America? on density? (purple) The lowest? (Naht yellow) (around bia cities: coastal areas) The lowest? (mountain or desert greas) Have students examine the map to see if their hypotheses are accurate. [77] Logical/Mathematical, Visual/Sp

Critical Thinking Skills

Comparing Have students describe the population density of Mexico Ask: Where are n In Mexico? (in the southern half of the country, particularly around cities) How do the population densities of the tries of Central America compare? (They have a similar range of densities but nane of the cities are as densely populated as Mexico City.) The Caribbean Islands? (lots of high densities areas; no cities over 5,000,000; few low density areas) South America? (similar population density range but a greater percentage of low density areas) Have students compare the population density map to the physical map of Latin America. Ask them to explain how population density relates to landform regions, such as which physical features discourage dense settlements and which attract them. Verbal/Linguistic, Visual/Snatial

Technology Skills

Presenting Have students explain what the map tells them about the population of Mexico City. (over 5.000,000 people) Tell students that Mexico City is one of the most nonulated cities in the world. Divide students into small groups and have them research Mexico City and its population makeup. Encourage students to make a presentation to the class using charts, maps, and photographs. Interpersonal

CLOSE & REFLECT

Summarizing Divide students into pairs. Have partners review the unit maps and use them to make a list of important Information about the geography of Latin America.

ANSWERS, p. 172

MAP STUDY

1. In Central and South America, people live along the coast due to the rough terrain-mountains and tropical rain forests-in the interior of the continent

2. Large cities are usually located along the coast.



networks

Population Map: Latin America

Analyzing Visuals Use this map to provide students with a visual of settlement natterns in Latin America. Have students read the interactive text lavers in the man. Students should work with a partner to discuss living patterns in Latin America. Then ask pairs to consider how and why population patterns have developed in these areas by writing a short paragraph that explains their answers. [11] Verbal/I





🚛 😠 Mexico Planner

UNDERSTANDING BY DESIGN®

Enduring Understandings

· The characteristics and distribution of cultures influence human systems.

Essential Question

· How do physical systems and human systems shape a place?

Predictable Misunderstandings

Students may think:

- · All of Mexico has the same warm climate. Explain that Mexico has vertical climate zones. Even though it is located closer to the equator than the United States, its climates vary based on elevation.
- Most people in Mexico live in poor, rural areas. Explain that Mexico City, the nation's capital, is a megacity, and home to millions of people.

Mexico does not have many natural resources. Explain that Mexico has many natural resources such as petroleum, silver, gold, and timber, but accessing them presents environmental issues.

- Mexico has a pristine, undisturbed environment. Explain that Mexico arapples with the same environmental issues as any other growing economy such as deforestation, pollution, and waste disposal.

Assessment Evidence

Performance Tasks:

- Hands-On Chapter Project Other Evidence:
 - Guided Reading Activities
 - Vocabulary Activities
 - Lesson Ouizzes
 - · Chapter Tests, Forms A and B

SUGGESTED PACING GUIDE

Introducing the Chapter½ Day
Lesson 1
Lesson 2

E nozza I Chapter Wrap-Up and Assessment 1/2 Day

TOTAL TIME 5 Days

Key for Using the Teacher Edition

SKILL-RASED ACTIVITIES

Types of skill activities found in the Teacher Edition. Visual Skills require students to analyze maps,

graphs, charts, and photos. Reading Skills help students practice reading skills and master vocabulary.

Critical Thinking Skills help students apply and extend what they have learned.

Writing Skills provide writing opportunities to help students comprehend the text.

Technology Skills require students to use ital took effectively.

*Letters are followed by a number when there is more than one of the same type of skill on the page.

DIFFERENTIATED INSTRUCTION

All activities are written for the on-level student unless otherwise marked with the leveled labels below

Beyond Level Approaching Level

English Language Learner

All students benefit from activities that utilize different learning styles. Many activities are marked as below when a particular learning style is highlighted.

Lonical/Mathe

Kinesthetic Auditory/Musical

Standards covered in



The student knows and understands:

- (3) How to analyze the spatial organizations of people, places, and environments on Earth's surface
- 3.1 The meaning and use of complex spatial concepts, such as connectivity, networks, hierarchies, to analyze and explain the spatial omanization of human and physical phenomena.
- (4) The physical and human characteristics of places
- 4.2 The interaction of physical and human systems result in the creation of and changes to places
- (7) The physical processes that shape the patterns of Farth's surface
- 7.3 Physical processes interact over time to shape particular places on Earth's surface
- (8) The characteristics and spatial distribution of ecosystems and biomes on Earth's surface
- 8.1 Ecosystems are dynamic and respond to
- changes in environmental conditions (9) The characteristics, distribution, and migration
- of human populations on Earth's surface
- 9.2 Population distribution and density are a function of historical, environmental, economic. political, and technological factors
- (12) The processes, patterns, and functions of
- 12.2 Settlements can grow and/or decline

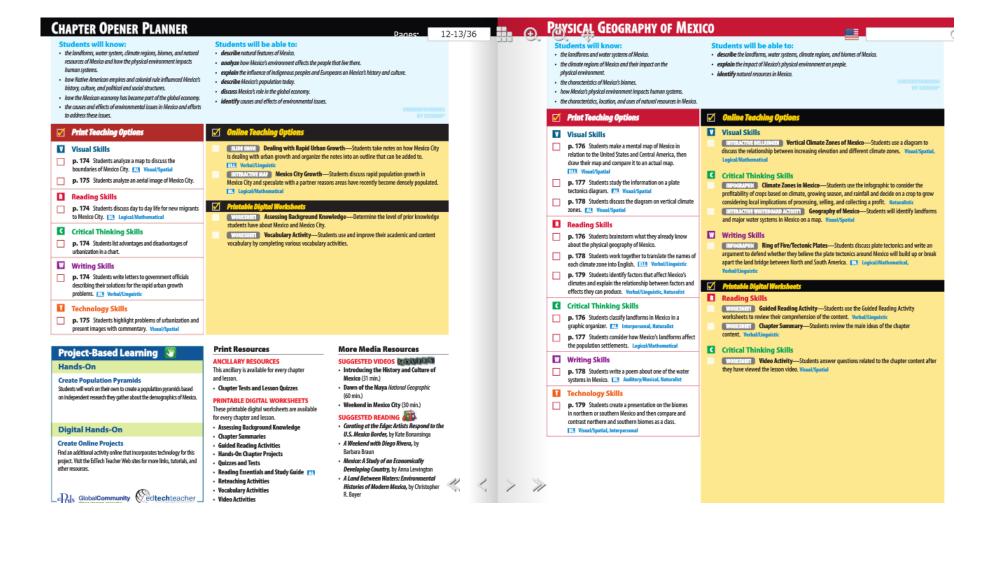
(14) How human actions modify the physical environment

- 14.1 Human modifications of the physical environment can have significant global impacts
- 14.1.A Explain the global impacts of human
- changes in the physical environment 14.2 The use of technology can have both intended and unintended impacts on the physical environment
- (15) How physical systems affect human systems

15.1 Depending on the choice of human activities, the characteristics of the physical environment can be viewed as both opportunities and constraints

(18) How to apply geography to interpret the present and plan for the future

18.1 Geographic contexts (the human and physical characteristics of places and environments) provide the bases for analyzing current events and making predictions about future issues



Hu	MAN GEOGRAPHY OF MEXICO	Pages: 14-15/36	⊕	PEOPLE AND THEIR ENVIRONME	NT: MEXICO
the and the an	Idents will know: w Native American empires influenced Mexica's history of culture. ways in which European cultonial rule shaped Mexica's political of social structures. e papulation characteristic—the people, density and stribution, and urban areas—of Mexica today. or Mexican society today reflects a blending of indigenous and	Students will be a ble to: discuss the influence of Native American empires and colonial rule on Mexica's history, culture, and political and social structures. describe population characteristics of Mexica and how Mexican society is a blend of indigenous and European cultures. explain Mexica's role in the global economy.		Students will know: the causes and effects of deforestation in Mexica. why water scarcity is a growing issue in Mexica. the causes and effects of describitation in Mexica. the causes and effects of describitation in Mexica. how population growth and economic development contribute to environmental issues. the efforts of different groups to address environmental issues.	Students will be able to: - describe the causes and effects of defivestation and descriftantion. - explain water scarcity. - analyze emironmental issues and efforts to address them. UNDOESTANDING BY DESCRIP
E	ropean cultures and beliefs. The Mexican economy has become part of the global economy.			✓ Print Teaching Options	Online Teaching Options
✓✓<th>Print Teaching Options Visual Skills p. 180 Students view a map to write about how physical geography affects life in Mexico. Verbal/Unguistic p. 184 Students analyze and interpret a graph about the female employees in Mexico. FTI Visual/Spatial p. 185 Students create a two-column chart to track Mexico's actions to globalize its economy and the challenges it has faced. Interpresental, Visual/Spatial</th><th>Online Teaching Options Visual Skills Wheelo City—Students learn about how Mexico City has diversified and changed and create a chart to list traditional influences and modern influences. [21] Visual/Spatial Wheelo City in Wester City Wheele City in the Workforce—Students discuss the issue of gender and society in Mexica. Pal. Visual/Linguistic Reading Skills Reading Skills</th><th></th><th>Visual Skills p. 188 Students analyze the map showing environmental deterioration in Mexico. P.18 Visual/Spatial, Legical/Marthematical Reading Skills p. 187 Students brainstorm the ways people extract and use natural resources and their environmental effects. p. 187 Students discuss the words diverse and biodiversity, the prefit bio- and the suffix -ity. TTT Verbal/Impulsite.</th><th>Reading Skills TIME: U.S. Mexico Border—Students learn about environmental and economic changes in Mexico, choose a particular change, and write a list of potential solutions. Critical Thinking Skills TIME CONTROL INTERNATION Deforestation in Mexico—Students will identify the causes and effects of deforestation in Mexico. Writing Skills TIME CONTROL INTERNATIONAL DIMINIShing Frontier Forests in Mexico—Students study the may about deforestation and discuss and write a paragraph about how this map might look in the future and why. Visual/Spatial, Verbal/Linguistics</th>	Print Teaching Options Visual Skills p. 180 Students view a map to write about how physical geography affects life in Mexico. Verbal/Unguistic p. 184 Students analyze and interpret a graph about the female employees in Mexico. FTI Visual/Spatial p. 185 Students create a two-column chart to track Mexico's actions to globalize its economy and the challenges it has faced. Interpresental, Visual/Spatial	Online Teaching Options Visual Skills Wheelo City—Students learn about how Mexico City has diversified and changed and create a chart to list traditional influences and modern influences. [21] Visual/Spatial Wheelo City in Wester City Wheele City in the Workforce—Students discuss the issue of gender and society in Mexica. Pal. Visual/Linguistic Reading Skills Reading Skills		Visual Skills p. 188 Students analyze the map showing environmental deterioration in Mexico. P.18 Visual/Spatial, Legical/Marthematical Reading Skills p. 187 Students brainstorm the ways people extract and use natural resources and their environmental effects. p. 187 Students discuss the words diverse and biodiversity, the prefit bio- and the suffix -ity. TTT Verbal/Impulsite.	Reading Skills TIME: U.S. Mexico Border—Students learn about environmental and economic changes in Mexico, choose a particular change, and write a list of potential solutions. Critical Thinking Skills TIME CONTROL INTERNATION Deforestation in Mexico—Students will identify the causes and effects of deforestation in Mexico. Writing Skills TIME CONTROL INTERNATIONAL DIMINIShing Frontier Forests in Mexico—Students study the may about deforestation and discuss and write a paragraph about how this map might look in the future and why. Visual/Spatial, Verbal/Linguistics
_	p. 185 Students identify features on a migration map. [XII Visual/Spatial, Logical/Mathematical	Biography of Diego Rivera—Students read a passage about Diego Rivera and draw conclusions about what life might have been like for workers and peasants in Mexico during Diego Rivers's time. Interpressional, Vehal/Riversional, Vehal/Riversional, Vehal/Riversional, Vehal/Riversional		 p. 189 Students discuss the urban water crisis in Mexico City and why it threatens the poor the most. Logical/Mathematical 	Environmental Deterioration in Mexico—Students study the map and then write a paragraph predicting what they think will happen to this region over time. Verbul/Unjugnitic
	Reading Skills p. 180 Students write predictions about the lesson. p. 182 Students define the prefix mega- and the root word primate. [II] Verbal/linguistic p. 185 Students discuss the word privative and the suffix -bz. [III] Verbal/linguistic	Writing Skills Ovilizations of Mesoamerica—Students write a short paragraph explaining why the feel Mexico City has become such a large city based on its physical location in Mexico. Visual Spatial Critical Thinking Skills		Critical Thinking Skills p. 187 Students create a graphic organizer to list cause- and-effect relationships in the lesson. [23 Visual/Spatial] p. 190 Students make generalizations based on the text. [23 Lagical/Mathematical]	Printable Digital Worksheets Reading Skills WORKSHEET Guided Reading Activity—Students use the Guided Reading Activity worksheets to review their comprehension of the content. WORKSHEET Reading Sesential and Study Guide—Students complete the study guide and
	Critical Thinking Skills p. 180 Students compare and contrast information on indigenous peoples of Mexico. [73] Logical/Mathematical p. 181 Students discuss the changing systems of	Mexican Independence and Change—Students discuss the various ancient civilizations and tragic conquests that lead to Mexico's independence. [2] Verbal/Linguistic Intel® Construction of Const		Writing Skills p. 188 Students write a paragraph describing the importance of water to life in Mexico. Logical/Mathematical	answer reading progress check and vocabulary questions. [1] [1] [Vocabulary Activity—Students review the chapter content and academic vocabulary words. Verbal/Linguistic [Vocabulary words. Vocabulary w
	Maxica's anyernment [77] Logical/Mathematical	Printable Digital Vorisheats Reading Skills Discrete Grading Skills Printable Digital Vorisheats Reading Skills Discrete Grading Activity—Students use the Guided Reading Activity worksheets to review their comprehension of the lesson content. Verbal/Linquistic		Technology Skills p. 189 Students create a visual to present information about the work an environmental scientist does. L** Verbul/Linguistic, Visual/Spatial p. 190 Students work in small groups to create a	Critical Thinking Skills TORSHIE Wide Activity—Students will answer questions about the lesson video. Logical/Mathematical TORSHIE Reteaching Activity—Students use this activity to review and revisit chapter content and vocabulary. This worksheet can be used with struggling students who need
	Writing Skills p. 186 Students write essays to propose solutions to improve United States and Mexican economies.	Reading Essential and Study Guide—Students complete the study guide and answer reading progress check and vocabulary questions. Critical Thinking Skills Discrete Video Activity—Students will complete this worksheet by answering the		presentation on an assigned program and its success in combatting the problem it was designed to solve. C3 Verbal/Linguistic	additional help with difficult content concept. TOURSHITH Hands-On Chapter Project—Students conduct research about the demography of Mexico. They will study Mexico's population, global population rank, age structure, birth rate, death rate, and other significant population data. Then use this information to create population pyramids. **Wissel Significant Propulation data. Then use this information to create population pyramids. **Wissel Significant Propulation data. Then use this information to create population pyramids. **Wissel Significant Propulation data. Then use this information to create population pyramids. **Wissel Significant Propulation data. Then use this information to create population pyramids. **Wissel Significant Propulation data.
_	Technology Skills p. 183 Students create multimedia presentations about life in Mexico City. [3] Verbal/Linguistic, Visual/Spatial	questions after they have viewed the lesson video. Visual/Spatial	Previous pag	e	
	p. 184 Students create a poster interpreting one of Diego Rivera's works. Visual/Spatial, Verbal/Linguistic	* L	Previous pag	G.	

L V

INTERVENTION AND REMEDIATION STRATEGIES

ESSENTIAL QUESTION . How do physical systems and human systems shape a place?

CHAPTER 7

Geography Matters...

Places reflect their relationsh between humans and their environment. Mexico todav is a result of history, geography, and increased globalization. Cultures have collided in Nunice for conturies. Indigenous civilizati flourished, followed by Europeans who brought new laws, language and religions. Today, the faces are stoms of many Nexican pe flect their mixed heritage. omic forces have pulled with a promise of prosperity

reflects the style of the region

ENGAGE

Activating Prior Knowledge Explain to students that they will be exploring the ways that the physical environment and the pattern of human settlement have affected Mexico. Have students work in pairs to brainstorm what they already know about Mexico and how colonists and other migrants settling the land may have changed it over time. Have pairs share their ideas with the class.

TEACH & ASSESS

Analyzing Have students read the "Geography Matters..." Introduction, Ask: On what is Mexico ba future prosperity? (Mexico is entering the global economy, but the effectiveness of this long term strategy will rely on how well Mexico can use and maintain its natural resources and keep its industries growing.) Have students examine the photograph and read the caption. Ask: What might have affected ti ent of the style of this girl's traditional way of dressing? (The style may be the result of combining indigenous cultures with those of later settlers.)

Making Connections

Explain to students that Mexico, like the United States, was shaped by the arrival of European colonists who settled in places already populated by indigenous peoples. For the most part. British settlers remained separated from the indinenous people in the United States. However, the Spanish settlers in Mexico used the indigenous people as a source of labor to mine precious metals and grow crops; therefore the original Spanish settlements were established based on where the native people were already living.

CLOSE & REFLECT

Ouestioning Have students think about the systems of living that different cultures follow and what might happen when two or more cultures mix or clash in one place. Ask students to identify questions they have about how the various cultures might have affected the settlement of Mexico over time. Tell students to consider these questions as they read the chapter.



Extend the project-based learning experience globally through our partnership with ePals. EPals allows you to connect with classrooms around the world in a safe online environment for real-life lessons and projects in virtual study groups.

LESSON 1 Physical Geography of Mexico

Reading and Comprehension

Reading and Comprehension

academic vocabulary terms.

Reading and Comprehension

Have students work with a partner to create an outline of the lesson that highlights key facts related to Mexico's landforms, water systems, climate, biomes, and resources. To ensure comprehension of the topics, have partners create a slide show using presentation software that explains a topic or process, such as how plate tectonics impacted Mexico's formation. Encourage students to incorporate content vocabulary terms in their presentations. Have students present their slide shows to the class, allowing time for groups to conduct a question and answer session in which students from each group answer questions about their topic

LESSON 2 Human Geography of Mexico

Have student pairs choose two of the lesson's content

vocabulary words. Tell students to work with their

partner to write each word in a sentence using both

quessing game in which their partner draws clues to

describe a content vocabulary term for their partner to

quess. After students have finished guessing each of the

terms, have partners compete against other pairs to see

who can guess the most terms correctly in a certain

amount of time. As a "bonus" or tiebreaker question.

have each team try to give clues and guess one of the

LESSON 3 People and Their Environ

Ensure students' understanding of unfamiliar or

of the term sustainable development. Review with

students the man in this lesson. Then discuss Mexico's

deteriorating environment and the National Biodiversity

Strategy and Action Plan. Guide them to paraphrase the

following statement from the text, "The plan has four

major objectives: to conserve and protect the biodiversity components, to value the different components of

bladiversity, to promote knowledge of bladiversity, and to

encourage sustainable and diversified use of

bladiversity components."

confusing content vocabulary words, such as the meaning

words correctly. Then have pairs play a "Pictionary" style

Text Evidence

Text Evidence

chosen statement.

Organize students into four groups and give each group one of the following terms written on a piece of paper: land bridge, seismic, plate tectonics, vertical climate zone. Have students in each group work together to act out their assigned term without using words as the student audience tries to guess the term. If students have trouble acting out their assigned term, whisper suggestions for clues. After each group has acted out its term and presented its summary, discuss as a class how the term applies to Mexico's physical geography.

Have students review the lesson to identify key concepts

relationships as they read. Remind students that looking

remember historical events. Have students jot down time-

order words and phrases, such as before, ofter, in the late

1700s, in 1992, and so on. Then have partners create a time

line of key historical events. Have student pairs share their

collaborate to write a short paragraph that summarizes the

Tell students to choose one of the following statements

from the It Matters Because paragraph to identify

supporting evidence: Mexico has been so focused on

increasing economic development that conservation of

resources has not been as high a priority. However, concerned

Mexican citizens are working hard to find ways to preserve

the land and all that it provides. In addition to identifying

evidence from the text, students may conduct online

research to identify facts to support their

time lines with the class. Then have student pairs

events depicted on their time lines

for sequence signal words can help them organize and

and events. Encourage them to identify time-order

Leveled Reader

Use this online approachinglevel text that corresponds directly to the text in the Student Edition. It also includes additional reading and comprehension support for English Language Learners.

Guided Reading Activities

This resource uses guiding questions to help students with comprehension.



Reteaching Activities

These worksheets provide students with an opportunity for remedial practice and review of vital chapter content.



This resource offers writing and



Reading Essentials and Study Guide

reading activities for the approaching-level student.

Self-Check Ouizzes

This online assessment tool provides instant feedback for students to check their



Chapter Summaries

Summaries are nowlded for each chapter that thoroughly condenses core content into manageable chunks.



Letter from the Author

Dear Geography Teacher,

The one shadow that hovers over Mexico is the danger posed by continuous wars between drug cartels that fight viciously to control nathways into the United States for illegal drugs that originate in South and Central America. Fighting drug related crime is high on the agendas of the Mexican and U.S. governments. Despite these difficulties, Mexico's economy is booming, partly fueled by the tourist industry. The Yucatan Peninsula offers a look at the old and the new. Mayan ruins dot the lowlands at tes like Chichen Itza and Tulum. A short distance away, tourists

Next page prolic in the surf at resorts in Cancun and Cozumel. Ancient temples and modern resort hotels. Quite

Drawing Conclusions Note that urbanization brings both benefits and unfortunate outcomes. Have partners create a two-column chart to record potential advantages and disadvantages to rapid urbanization. They can use their prior knowledge to brainstorm a list of advantages and use the Information from the text to populate the disadvantages column. In class discussion, ask students to share their ideas

TEACH & ASSESS

V Visual Skills

Analyzing Maps Have students examine the map key. Ask: cording to the map, what color indicates the oldes undaries of Mexico City? (red) Most recent boundar (ours(e) How has the size of Mexico City me? (It has grown larger over the past 100 years.) What can you tell about the rate of growth over the past century? (The rate of growth has accelerated.) Continue asking questions to gauge students' understanding. [7] Visual/Spatial

R Reading Skills

Inferring Have students review what life may be like for new migrants to Mexico City and what resources are available to them. Ask: How might the scarcity of potential resources affect the lives of new migrants? (Possible answers: Without proper health care, people may become III and unable to work. Without education, children may not learn the skills they need. even if jobs are available.) [3] Logical/Mathema

W Writing Skills

Argument Have students write a letter to the government of Mexico City suggesting solutions to the city's problems of rapid urban growth. Ask students to research innovative ideas for these problems and then convince the government that these ideas would be the best to use. [7] Verbal/Linguistic

ANSWERS, p. 174

Why Geography Matters

- 2. People do not always have access to health care and education. Lack of infrastructure leads to the developmen of shantytowns, which are built in environmentally sensitive areas.
- 3. Paragraphs should show an understanding of the environmental problems fading Mexico City and of efforts

challenges Pages: 18-19/36 ##

Rapid urban growth brings challenges to city governments around the world as they struggle to provide housing, services, infrastructure, and jobs, as well as curp bollution. Governments have limited funds to spend on basic upheep and services. As a result, cities like Mexico City experience challenges such as randomarkers.



Teday's Monton City is the result of years of rural-to-urban migration by people looking for better economic opportunits The first influx of these economic migrants coincided with rapid industrialization in the late nineteenth century. The pull force of industrial jobs and the push forces of rural land policies draw people to Mexico City. The rural poor moved to the city as land was purchased around them by wealthy landowners. Similar factors continue to bring economic migrants to Mexico City seeking a better life for themselves and their families

1. Human Systems What are the pull factors influencing migration to Mexico City? How are these different from the push factors that bring people to the city?

Economic migrants move to the day expecting to Informal sector-"underground economies" that are not taxed or reculated by the coverament are not recomment.

People offers do not have access to health care and oducation, Lack of infractivative—housing, electrical grids, sower hadities, and mads—to support the growing population leads to the development of sharelytowns. The influx of people to Mexico City puts enormous pressures on the natural environment. Underground water aquifers are being depleted, causing the city to sink, inadequate sewe facilities lead to polluted land and water Bull of rabbish, landfills have been desed. Unregu the government, sharelytewns are built in

environmentally sensitive areas such as hill slopes. 2. Environment and Society What challenges has rural-to-urban migration created for the government of Mexico City?

government of Weeks and public-private partnerships are investige in systalisable nchades a range of programs to promot environmental sustalinability by easing traffic congestion, reducing greenle emissions, and encouraging public transportation, cycling, and walking aptions. The Neoko City Climate Action Program remaides therefore the sectal solder yan proves serve, ...

3. Human Systems Write a paragraph explaining how environmentally friendly policies



The survey of

Hands-On

Population Pyramids

Students will individually create a population chart based on their research of the demographics of Mexico. After they finish their charts, students will make population pyramids using the Information they gathered. Students will then work in pairs to compare and contrast their population pyramids and researched data.

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Project-Based Learning \\

Digital Hands-On

Create Online Projects Find an additional activity online that incorporates technology for this project. Visit the EdTech Teacher Web sites for more links, tutorials, and other resources.



INTERACTIVE MAP Mexico City Growth

Speculating Use this interactive map of Mexico City to discuss rapid population growth with students. Have students work with a partner to identify areas of the map that have recently become densely nonulated Allow time for nairs to list nossible reasons why these areas are more populated than others. Then guide a class discussion in which pairs share their lists and the other students evaluate the list as plausible reasons, (Student answers may vary, but should reflect

ions are near to public transportation, locations are further from the city center so housing is less expensive, locations are near industry.) Logical/Mathematical

willy decylapily matters

V Visual Skills

Examining Have students examine the aerial photograph of Mexico City. Ask: How does this photograph help you hotter understand settlement patterns and problem of residents in their daily lives? (Student answers may vary, but should mention aspects of the photo such as the crowded masses of houses, the presence of clusters of trees and some small waterways in the heart of the city, the large roads that help organize the city, and the taller buildings indicating the centers of business being for from the residential greas.) Visual/Spatial

Technology Skills

Researching Have students work in small groups to locate recent photos and images of Mexico City. Ask them to compare and contrast the information they have seen and read in the text with what they can see in the images they find online. In particular, have them point out examples of problems such as congestion, visible pollution, or lack of adequate housing, invite groups to present the images they have found to the class. along with a commentary about how these additional visuals might help the class better understand the challenges of urbanization facing Mexico City today. Verbal/Linguistic

Content Background Knowledge

Tenochtitlán Previous civilizations found the current site of Mexico City a good place to build their own large cities. Before Spanish conquistadors first set foot in the Americas, Aztec kings built their capital city of Tenochtitlán in the 1470s on swampy lands reclaimed from Lake Texcoco. Wanting to establish Spanish supremacy over the newly conquered Aztecs, Hernán Cortes had this city razed to the ground in 1521-1522 so that the settlement that would become present-day Mexico City could be erected in its place.

CLOSE & REFLECT

Evaluating Tell students to review the images, headings, and Information in this section, and then to write a summary of the major problems facing Mexico City due to urbanization. They should describe the factors that have created the problems and the ways the government is proposing to solve them. Invite students to share their summaries, and then challenge students to evaluate the adequacy of the government's plans.

1. The pull forces are related to industrial jobs; the push forces are related to rural land policies.

being made to solve them.

Next page thought-out explanations for densely populated locations, such as:



Activating Prior Knowledge Before students begin the lesson, have pairs work together to brainstorm what they already know about the physical geography of Mexico. Display a physical map or satellite photograph of Mexico and have students write a description of this country's physical features, organizing them by whether they are landforms or water systems. Then have students describe what they know about Mexico's climate. Discuss any relationship students already know about or can deduce between the landforms

TEACH & ASSESS

V Visual Skills

and climate of Mexico.

Spatial Understanding Have students read the first paragraph and use the text along with their prior knowledge to make a mental map of Mexico and its relationship to the United States and Central America. Then have them draw their mental map. Finally, display a physical map of North and Central America, and have them compare their drawings to the actual map. Have them make corrections and notes on their drawings as needed. [III Visual/Spatial

C Critical Thinking Skills

Classifying After students read about the different kinds of landforms found in Mexico—including mountains, plateaus, and plains—ask volunteers to identify and write them down in a list. Then have students work in pairs to classify the information by creating a chart with columns that records information about the types of landforms and blomes in each place. Have pairs present their completed graphic organizers to the class. [13] Interpersonal, Naturalist

ANSWERS, p. 176

TAKING NOTES: landforms—land bridge connecting North and South America, Sierra Madre Occidental and Oriental, Barranca del Cobre, Northern and Central Plateau; water systems-Rio Grande, Lerma River, Lake Chapala, Gulf of Mexico; climate, blomes, and resources—vertical climate zones, chaparral biome in the north, variety of biomes in the south including a hot climate along coasts and heavy daily rain and high humidity on the east coast; minerals including silver, lead, gold, mercury, cadmium, antimony, manganese, and copper; natural resources of oil and natural nas



connects two geographic landforms.

The western side of Mexico is part of the Ring of Fire. The Ring

of Fire is the area where the Pacific tectonic plate collides with other tectonic plates, creating areas of selsmie activity with earthquakes.

This activity helps shape the landforms of Mexico. Seismic activity opens parts of the Earth's crust and triggers the formation of volcanoes.

The mountains that stretch along the northwestern edge of

Canyon), a beautiful natural wonder in the state of Chihuahua,

of the Rocky Mountains of Canada and the United States. The average mountain height is between 8,000 and 9,000 feet (2,438 and 2,743 m). A few exceptions include mountains that reach heights of 12,000 feet

The Sierra Madre Oriental is considered the southern extension

en these two mountain ranges is the inland Mexican Plateau. Moderate, consistent temperatures make this area an attractive place to live. It is the largest and most densely populated region of

Mexico are called the Sierra Madre Occidental. These mou have been deeply cut by westward-flowing rivers and streams, which have formed deep gorges. The largest is Barranea del Cobre (Copper

AFRICAN PLATE MAGRIC PLATE SOUTH AMERICAN PLATE

orte | Northern Philesu | and the amaller but heavily nonulated Mess Central

Norte (Northern Plateau) and the similer but heavily populated Mead Central (Central Plateau). The dry Northern Plateau is home to several large cities. The Central Plateau is considered the breadbasket—or major grain-ling registrophy of Mexico. It is less arid than the Northern Plateau and

wear w several smaller valleys. Most of the food grown in Mexico comes

The Gulf Coastal Plain is a wide stretch of land east of the Sierra Madre Oriental. These mountains cate wide forein the Tessa-Mexico bonder along the Guide Mexico to the Vasciation Patrials and the state of the state Mexico bonder along the Guif of Mexico to the Vasciatio Pentinuals, in the south, a series of mountain ranges and plateaus called the Southern Highlinesh reach from just south of Mexico City to the southwest edge of Mexico'to border with Guinemala. The variety of Inniforms in Mexico—Hom Range plateaus and walkeys to The variety of Inniforms in Mexico—Hom Range plateaus and walkeys to

long mountain ranges and highlands—has made it possible to support large communities of people. There are ample grazing and farmlands on the North and Central Plateaus, in the Southern Highlands, and along the coastlines.

The population density in Mexico is greater near parts that have the most agriculture, especially on the Central Plateau and in the Southern Highlands.

Interpreting How has the geography of Mexico affected the way people use the land?

2. Drawing Conclusions: Why do you think this area of tectonic activity is called the Ring of Firs?

THE OWNERS THE STOP CHARGES

soismic relating to or caused by

feature tolanosca

characteristic or as a prominent

networks

INTERACTIVE BELLRINGES Vertical Climate Zones of Mexico

RIZING Asyou read the

lesson, use a graphic organizer like the

one below to take notes on the physical neography of Mexico.

Interpreting Have students use this diagram to discuss the relationship between increasing elevation and different climate zones. Have pairs of students read the introductory text, study the colors and symbols used to designate different parts of the diagram, and answer the questions. Then ask students to predict which of the five levels would most likely be the hardest. place to make a living through agriculture and why. Invite pairs to share their responses with the whole class. Visual/Spatial, Logical/Mathematical



Ring of Fire/Tectonic Plates

Defending This diagram shows plate tectonics around Mexico and Central America. Review with students that some forces of plate tectonics affect Farth's surface through the movement of manma within Earth; other forces involve movements that can fold. lift, bend, or break Earth's crust: and that Pangaea, a gloantic supercontinent, is believed by many scientists to have once connected nearly all of Earth's landmasses. Have students work with a partner

to write an argument to defend whether they believe the plate tectonics around Mexico will build up or break apart the land bridge between North and South America, Allow students to conduct library or online research to defend their arguments. [3] Logical/Mathematical, Verbal/Li



C Critical Thinking Skills

Identifying Cause and Effect Have students review the information about Mexico's landforms and population and consider how landforms affect the population. Ask: What is the relationship betw distribution of population? (More people live in the parts that sustain the most agriculture and have consistent temperatures.) places where their needs can be met, so more people will tend to live in places where it is easier to grow the crops they need.) Logical/Mathematical

V Visual Skills

Analyzing Visuals Have students study the diagram and consider its parts and what information it is conveying. Ask: What do the orange lines indicate? (the boundaries of each of the tectonic plates) What do the red arrows indicate? (the direction in which each plate is moving) Using Information from the diagram, explain the type of seismic activity experienced by Mexico? (The diagram shows the red arrow of the Caribbean plate and the red arrow of the Cocas plate pointing toward one another. The force of these two plates meeting must cause the earthquakes and volcanoes.) [11] Visual/Spatial

Making Connections

Ring of Fire Formed by the movement of different tectonic plates, the Ring of Fire is a belt of volcanic and seismic activity that stretches all around the Pacific Ocean. Its effects are felt not only by Mexico, where the subduction of the Cocos plate under the Caribbean plate causes earthquakes, but by other countries that border the Ring of Fire as well, in North America, the movement of two plates scraping against each other as one moves north and the other slides south causes earthquakes to shake the coast of California. Further north, the movement of one plate sinking under another causes magma to bubble to the surface and form volcanoes such as Mount St. Helens in Washington and the Aleutian Islands of Alaska

ANSWERS, p. 177

READING PROGRESS CHECK The variety of landforms means large communities of people can be supported. Ample grazing and farmlands exist on the North and Central Plateaus, in the Southern Highlands, and along the coastlines.

- 1. Mexico is located on the Pacific, Cocos, and North American plates
- 2. Volcanic eruptions and other tectonic activity are common here

Reading Skills

Determining Word Meanings Write these terms on the board: Tierra Helada, Tierra Fria, Tierra Templada, and Tierra Callente. Explain that these are the names of Mexico's vertical climate zones. If nossible, pair Spanish speakers with non-Snanish sneakers. Then have nairs work tonether to translate the name of each vertical climate zone: freezing land, cold land, temperate land, and warm or hot land. Invite pairs to share their definitions and then discuss as a class why each vertical climate zone might have this name. [31] Verbal/Linguistic

W Writing Skills

Narrative Have students discuss the importance of water to Iffe in Mexico and identify some ways its presence or absence affects the way that people have settled and used the land. Then have students write a poem about one of the water systems in Mexico. Encourage students to think about the sights and sounds of water and how these sinhts and sounds and the vital importance of water could be expressed in poetry Auditory/Musical, Naturalist

Visual Skills

Using Diagrams Have students interpret the diagram in a class discussion. Ask: What are the four vertical d zones of Mexico called? (Tierra Helada, Tierra Fria, Tierra Templada, and Tierra Collente) Where are the majority of the crops shown grown? (In the bottom three climate zones) climate zone? (its altitude and the range of temperatures found there! How might you describe the re climate zone and aititude? (Temperatures drop as you move to higher climate zones.) Have students answer the Critical Thinking questions on their own. [11] Visual/Spatial

ANSWERS, p. 178

READING PROGRESS CHECK The Rio Bravo del Norte or the Rio Grande forms part of the border between Mexico and the United States. It is also one of the few rivers that is not in the central part of the country.

- 1. Tierra Fría and Tierra Helada are found above 6,000 feet.
- 2. As the elevation increases, it gets colder, so crops that like a colder climate do better in higher elevations.

ON Why does Mexico have few major rivers and natural lakes?

Northern Mexico is generally characterized by a dry climate. Th 22-23/36 remanent waterways rare. The high mountain rarges and patest emperate vertical climate zones that do not collect the volume of water more common in tropical regions. The few rivers and natural lakes that exist are found in the central part of the country and are generally small. One important exception is the Rio Grande. Known as the Rio Bravo del Norte in Mexico, it

forms part of the border between Mexico and the United States. The Lerma River is one of Mexico's most important rivers. It begins in the Toluca Basin, on the Central Plateau west of Mexico City. The Lerma River feeds

into Lake Chapala, the largest natural lake in Mexico.

The Gulf of Mexico is the large body of water that forms Mexico's east coast It supports diverse sea life including an ancient sea creature known as the manatee. The Gulf of Mexico is famous for shrimp and supplies the fishing industry in both the United States and Mexico. The waters in the Gulf of Mexico are relatively sheltered from ocean currents, so the beaches are calm and the

On the western side of Mexico, the Gulf of California divides the Baja Peninsula from the northern coast of Mexico. This body of water supports a remarkable diversity of aquatic animals. These include several types of wholes, the giant Pacific manta ray, endangered leatherback sea turtles, and great white sharks.

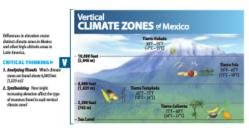
Describing What is the importance of the Rio Bravo del Norte to Mexico?

Climate, Biomes, and Resources

N How does climate affect human activities in Mexico?

The climate of a particular region **inevitably** affects the way of life that people inevitable incapile of being

have in each place. For example, people who graze cattle on the Northern Plateau anxiously await rain each year. The farmers in the valleys of the Central Plateau



rater for their crops. The three factors that influence Mexico's climates are the regional his pressure systems, the northeast trade

ofcylonal hig spressure systems keep the north and central parts of Mexico dry and cause occasional droughts. The northeast trade winds are responsible for the pattern of tropical storms Vertical climate zones create the temperate or mild climates found throughout the southern part of Mexico. The elevation of the highlands keeps them at a comfortable temperature that is also helpful for growing certain crops.

Northern Mexico is defined as a chaparr

biome. It has mild, rainy winters and hot, dry biome. It has mild, exists winters and hot, dry
summers. The plant life consists of cacts, shrube, and shrub cosk. High winds and
low-growing plants make the soil in this region good for grasslands. The soil is
also thin and rocky, however, so it is not good for crops.

Southern Mexico has a variety of biomes. In the lower altitudes along the

coasts, the climate is but. On the east coast, daily rainfall and high huoccur. This biome supports very diverse plant and animal life and is o

Minerals are an important part of Mexico's economy, especially silver. Mexico is the world's leading producer of silver. In the area called the "Silver Belt" on the Mexican Plateau, both industrial and precious minerals are mined. Zinc, bauxite (the ore of aluminum), lead, gold, mercury, cadmium, and such

trace minerals as astimous, manganese, and copper are also important. Timber, fish, and agricultural products are also a significant part of Mexicion economy. Mexico is a leading petroleum-producing country. Petroleum experts account for a large share of firetige-exchange earnings. Mexico ranks thirteenth in the world for crude oil exports. About three-cloudthe of Mexico's detectivity is generated by thermal power plants that are fired mainly by oil and natural gas. Another one-tenth of Mexico's electric power is created by nuclear power and renewable resources of wind, solar energy, and biomass (plant materials and animal waste used as a source of fuel).

LESSON 1 REVIEW (CCSS)

fical climate zones. 1864-1864

three of Mexico's water systems.

Using Your Nates

Assessing How do vertical climate zones affect the economic activity of the Southern

wing Vocabulary (Ner Three World) assing: Write a paragraph that discusses the geography of

2. Describing: Use your graphic organizer from the lesson to describe

Answoring the Guiding Questions
3. Drawing Conclusions: Why is the Hexican Plateau considered the

4. Interpreting Why does Hierico have few major rivers and natural 5. Making Can tions. How does dimate affect human activities

Writing Activity notory Write a paragraph describing Medica's location along the Ring of Fire and how that crates natural

Copper mining takes place in the

1. Analyzing Visuals Describe the

negative impacts of strip mining as depicted in this photo.

copper belt located in comparison to the "Silver Belt"?

2. Geography Where is Marian's

an copper belt in the west part

Mexico 179

INFOGRAPHIK

networks

176

Differences in elevation create

CRITICAL THI

a climate zone that occurs as

natural vegetation and crops

elevation increases with its own

Climate Zones in Mexico

Making Connections Use this infographic on the vertical climate zones of Mexico to help students understand how environments affect human activities. Have students work in small groups to discuss and compare the climate zones. Ask each group which of the products shown in the graph they consume. Then have each group consider which grops, if grown for



trade, would be the most profitable based on the climate, growing season, and rainfall in Mexico. Have each group decide on one crop to grow and consider the local implications of processing, selling, and collecting a profit for this crop. Have groups share their reasoning in a class discussion. Naturalist

LESSON 1 REVIEW ANSWERS

Reviewing Vocabulary

1. Paragraphs should show an understanding of vertical climate zones and their relation to Mexico's geography.

Using Your Notes

2. Answers should include three of the following: The Lerma River is one of Mexico's most important rivers and feeds into Lake Chapala, Mexico's largest natural lake. The Balsas River is a steep, swift river that is the major source of hydroelectric power. The Gulf of Mexico forms Mexico's east coast and supplies the lext page ling industry. The Rio Grande forms part of the er between Mexico and the United States and is the largest river outside of the central regions of

Answering the Guiding Questions

- 3. The Mexican Plateau is the largest and most densely populated region of Mexico, and most of the food grown in Mexico comes from its Central Plateau
- 4. In general, Northern Mexico is characterized by a dry dimate, which makes permanent waterways rare.
- 5. The farmers in the valleys of the Central Mateau depend on the dimate to help them get enough water for their crops.

Writing Activity

6. Paragraphs should show an understanding of the Ring of Fire, plate tectonics, and how seismic activity shapes landforms, including volcanoes.

Understanding Relationships Review how different natural factors can influence the climate of an area. Ask students to identify the three factors that influence Mexico's climatesregional high pressure systems, northeast trade winds, and the vertical climate zones. Direct students to write brief statements explaining the relationship between each factor and the type of effect it can produce. Verbal/Linguistic, Naturalist

Content Background Knowledge

Mexican Oil Production Mexico possesses several areas of oil reserves. Most Mexican oil-about three-fourths-is collected from reserves located offshore in the Campeche Basin in the Gulf of Mexico. Other basins of oil are located in the northern part of the country. Unfortunately, some studies indicate that Mexico has reached peak oil, or the point in time when the production of oil will continue to decline, rather than rise or stay steady.

Technology Skills

Comparing and Contrasting Divide students into two groups and assign one group porthern Mexico and one group southern Mexico. Have each organ use the internet or library resources. to research the blomes for each area and the crops and natural resources found in each blome. Groups should create visuals that illustrate the different biomes, describing the climate, fauna, and flora. Have groups present their visuals to the class. Then use the presentations to hold a class discussion comparing and contrasting the different blomes found in northern and southern Mexico. The Visual/Spatial, Interpersonal

CLOSE & REFLECT

Summarizing Tell students to review how the physical environment of Mexico has affected where people have established settlements and how they make a living. Have students nick one area of Mexico to explain why people do or do not live there using specific information from the lesson.

ANSWERS, p. 179

READING PROGRESS CHECK The climate is mild, so agriculture is abundant and supports the economy.

- 1. Some negative impacts of strip mining are deforestation soil erosion, and air pollution.
- 2. The "Silver Belt" is on the Mexican Plateau in the center of the country while the copper belt is located in the western part of the country.

Human vevyrapny vi mexico

ENGAGE

Reading Skills

Previewing Have students quickly flip through the lesson to preview the images and headings as they consider what they already know about Mexican history and how the interaction of various cultures and groups of people can affect the human geography of a place. Then have students write down three predictions for what they will read and learn about in this lesson

TEACH & ASSESS

V Visual Skills

Identifying Perspectives Have students refer to a physical map of Mexico as they read about the diverse cultures of Mexico. Have them find the areas on the map referred to in the text and identify the landforms that would impact life in that region. Have students write a short paragraph from the perspective of a person in each group about how the physical geography of the area must have affected his or her life.

C Critical Thinking Skills

Comparing and Contrasting Have students work in pairs to make a three-circle Venn diagram to help them compare and contrast information about the indigenous peoples found in the northern and southern parts of Mexico. Students should consider issues such as where the people lived, how their environment affected the sort of civilization they created, and what sort of presence they have in modern-day Mexico. Invite pairs to share their completed diagrams with the class. Hold a discussion during which students articulate how these indigenous cultures were alike and different in the ways they influenced Mexico's history and culture. [33] Logical/Mathematical

ANSWERS, p. 180

TAKING NOTES: history and government—indigenous peoples included the Maya and the Aztc, the Aztec Empire arose in central Mexico and was ruling when the Spanish arrived in 1519, Mexico was a colony of Spain until 1821, a political system that was controlled by wealthy landowners. clergy, or military dictators called caudillo fought for power until 1917, when Mexico became a federal republic: the PRI controlled the government until 2000 when the PAN party gained power; population patterns-indigenous peoples developed cultures to suit the environments they lived in: the Maya civilization was one of the earliest, and the Aztec ruled over central Mexico: Spanish settlements grew into large cities; today, rural to urban migration has led to 78 percent of people living in urban settings

Human Geography of Mexico

ESSENTIAL QUESTION - How do physical systems and human systems

IT MATTERS BECAUSE eading **HELP**DESK ₍

Mexics's human geography reflects influences from the Maya and
Aziec civilizations, the Introduction of Spanish culture during the
colonial era, and cultural and social elements shared from recent vaction with the United States and other countries.

History and Government

What influenced Mexico's political and social structures?

Variations in the physical geography of Mexico led to the development of diverse cultures, languages, and civilizations among the indigenous peoples of Mexico. These differing peoples developed cultures to suit the environments in which they lived. These cultures can be seen in the regional distinctions of Mexico today.

The northern half of Mexico, on the inland plateau and in the mountains, originally had a small population of mostly independent groups of nomadic people. Agriculture was used, but it was not highly developed. Some of these seminormadic groups still live in their radiational homelands, almost untouched by outside influences. The Taruhumara people in the Sierra Madre Occidental are one example of an indigenous up who still live in northern Mexico.

The southern half of Mexico was geographically more **diverse.** It could support large-scale agriculture and produce the variety and abundance of foods necessary to maintain empires and cities. Centered in the Yucatán Peninsula, the Maya civilization was one of the earliest and largest civilizations in Mexico. The Maya built huge stone cities, which were abandoned a few hundred years before the arrival of the first Spanish explorers. The Maya ruled a vast territory and engaged in longnce trade with Central American cultures, including Teotihua and the Zanotec. Their descendants still live in and around the areas of their former empire. Many of these people maintain their culture, speak their ancestral languages, and practice the same cultural traditions.

The Axtee Empire arose in central Mexico. The Axtee ruled from their capital, Tenochtitisn (tay+NAWCH+teet+LAHN), the site of present-day Mexico City. They had conquered other peoples in the area when the

ndigenous heritage, now densely populate the region, there are groups that trace

ther anosary to the Astec by Spanish conquistador Hernán Cortés and houre), the Spanish conducted the Astec by Spanish conduitation gold and silver resources. They also contain a value is the variety of food souisable to the local people, quickly taking corn, tomstoes, potatoes, chocolate, and other native crops on the return trips to Spain. Large tracts of land in Mexico were given to the Spanish settlers of Mexico. These fandowners began growing cash crops such as eacao (chocolate) and maize (corn) in large quantities, which they exported to Spain. This further enriched the Spanish. Mexico remained a part of the Spanish Empire for nearly three centuries. It was governed by Spain under a highly structured political system ruled by

officials called viceroys who were appointed by the Spanish monarch.

In the late 1700s, throughout Mexico and the rest of Latin America, people started to protest European rule. In 1821 Mexico became the first Spanish territory to win its independence. Mexico was free from Spain, but the political system was ruled by a small group of wealthy landowners, army officers, and Catholic clergy who remained in power. Power struggles, public dissatisfaction, and civic revolts made the new republic fragile and chaotic. During this time a new type of leader emerged, the caudillo (kow+DEEsyoh), or military dictator. For brief periods in the 1800s, the government showed promise. However, the

caudillos found ways to return to power.

The long and bloody Mexican Revolution overthrew the caudillos and established a new constitution in 1917. This brought reforms and established the current Mexican government as a federal republic. Power was divided into three branches of government—legislative, executive, and judicial—and a president could only be elected for one six-year term. However, the rule of law did not last for long. In 1929 one political party, the Partido Revolucionario Institucional (PRI), was elected and established a corrupt monopoly on the political system of Mexico. The PRI went on to control the political establishment for nearly 70 years. Not until 2000 was the opposition party, Partido Acción Nacional (PAN), able to win the presidency. In 2012, however, the PRI was reelected.

Over the past few decades, drug cartels have come to control different regions of Mexico. New cartels have been forming or breaking sway from older and larger cartels. These new eartels compete with old cartels for power and control of drug-producing territories. The result is internal warfare in Mexico. The cartels have increasingly incited street gun battles, massacres in the mountains, and other acts of violence and terror

Bringgles for additional reforms in the government continue. Indigenous communities, small farmers, and groups of underpeal also beers are continuing to meeting the pressure the government for greater inclusion in the political system. Corruption remains a common reality in the government. A small group of very wealthy landowners still controls most of Mexico's wealthy.

Employing the Issues Why do drug cartels have such a powerful influence in Mexico?

Population Patterns

ESTION What factors have shaped Mexica's population patterns?

For unknown reasons, the Maya had abandoned their cities in the Yucatán and southern Mexico by the time the Spanish conquistadors arrived. They were mainly living as subsistence farmers in small communities, where many still live today

sociationis, anomalismost cars or a radal, religious, or social group

diverse diferentences

sestize solers to possile of G nixed indigenous and Burupean

uistador Spanish for "conqueror"; Spanish soldior who participated in conquest of Indigenous peoples of Latin America

cash crop farm product grown to be said or traded rather than used by the farm family

Mexico 181

Critical Thinking Skills

G Critical Thinking Skills

Making Generalizations Discuss the changing systems of government that have ruled Mexico. Ask: Who gove exico while it was part of the Spanish Empire? (Viceroys appointed by the Spanish manarch) Who ruled Mexico aff lence? (a small group of wealthy landowners, army officers, and Catholic clergy) Who contested with the new republic for power? (caudllos, ar military dictators) Who controlled the current form of Mexican most of the twentieth century? (one political party—the Partido Revolucionario Institucional or PRI-who established a corrupt monopoly) What generalization can you make about the pattern of government in Mexico over the centuries? (Possible answer: Time after time, a select group of rich and powerful people has risen to take over the rule of Mexico and dictated what will happen to the poorer majority.) Logical/Mathematical

Human vevyrapity of mexico

Evaluating Have students recall the reasons why conquistadors

first journeyed from Spain to the Americas. Ask: How would you

Cortés made in Mexico? (Passible answer: Mexico had voluable

resources such as precious minerals like gold and silver, native crops

such as corn, tomatoes, and chocolate, and large areas of land that

could be farmed to produce even more come that could be exported

discoveries, which is shown by the fact that they settled Mexico and

for profit. Therefore, the Spanish rulers must have valued his

made it part of the Spanish Empire.) Verbal/Linguistic

Content Background Knowledge

Mestizos Mexicans today hold some ambivalence about using the label mestizo. The term began as an insult, meant to draw distinctions between Spanish settlers with a single heritage and people from new families created by the mingling of several cultures. The Spanish even set up a caste system that organized people based on the "purity" of their ethnic background. Over time the term mestizo has been redefined by some to stand for a proud cultural identity. Categorizing themselves as mestizo allowed groups that had been treated as second-class citizens to draw strength and a sense of unity from their indipenous roots. At the same time, other groups would rather avoid using the label to escape its past offensive connotations.

ANSWERS, p. 181

ESS CHECK Drug cartels control different regions of Mexico. New cartels compete with old cartels for power, resulting in street gun battles, massacres in the mountains, and other acts of violence or abuse.

Online Teaching Options networks

Academic Vocabulary

Content Vocabulary

culture

cash crop

syncretism

megacity

primate city extended family

maguiladora

TAKING NOTES: Key Ideas

PARAPHRASING Use a graphic

e human geography of Mexico.

samples like the one below to describe

Human Geography of Mexico

INTERACTIVE BELLBINGER

Biography of Diego Rivera

Drawing Conclusions This biographical passage can be used to introduce students to the life of Diego Rivera and his use of the European art form of the mural to communicate his political beliefs. Have students work with a partner to read the passage and answer the questions. Then ask them to use what they already know about the Russian revolution and the purpose of unions to draw some conclusions about what life might have been like for workers and peasants in Mexico at this time. As a class, have pairs present their conclusions.





INTERACTIVE MAP

Civilizations of Mesoamerica

Interpreting Use this interactive map of the early civilizations in Mexico and Mesoamerica to Illustrate to students where various populations where first established. Have students identify possible reasons for the locations, such as proximity to a major waterway, fertile soil, etc. Then have a volunteer point to the location of Mexico City on the map, Explain that Mexico City is one of the largest cities in the world. Have students write a short paragraph explaining why they feel Mexico City has become such a





Human deography of mexico

Making Connections

Because the Spanish settled large areas of land in the western United States, people today can visit presidios and missions not just in Mexico, but in U.S. states such as California, Texas, New Mexico, and Artzona. These settlements were meant to firmly establish Spain's claim to these lands and protect them from the encroachments of other colonizing countries such as France and Britain.

R Reading Skills

Using Word Parts Ask students to reread the last paragraph on the page. Remind students that if they are unsure of the meaning of a word, they can break it apart and consider the meaning of any prefixes or root words. Have students define the neefly means, using resources to look it up if necessary Ask: What can breaking the word me ou understand about its meaning? (Possible answer: The north mena-means "hia" so a menacity is a settlement that is very large, possibly a city made up of many cities out together.) (prime, meaning "first") What can this root word help you city? (Passible answer: A primate city is the "first" city in a country because it has the most economic activity, is the biggest center of culture, and has the largest population.) [31] Verbal/Linguistic

V Visual Skills

Analyzing Visuals Review the parts of the time line with students. Then have pairs work together to read each entry and consider what type of information it provides to them about Mexico. Have pairs finish by writing summaries that describe in their own words what the time line is explaining about Mexico. (Passible answer: The events on the time line charts changes in government and leadership over time. The time line illustrates the volatility of systems of government in Mexico and how the leadership has seesawed back and forth between corrupt dictators and a spirit of reform.) [11] Visual/Spatial, Verbal/Linguistic

conquering their neighbors, and establishing a powerful central urban region in the Valley of Mexico. The indigenous peoples of Mexico were a mixture of different gry

26-27/36 disease outbreaks. The Spanish also established the Catholic Church in Mexico.

disease confreada. The Spanish also established the Carbolic Church in Mexico. A unique mediagly of traditional indigenous bellet and the newly introduced. Carbolic culture occurred in a process called generation. The Spanish established as wide footing in Mexico by using Carbolic missions as religious outposts to help spread Christian ideas. They centralized power second presidios, or millary outposts, to preed Spanish howard and power second presidos, or millary outposts, to preed Spanish broats afferting and canding were introduced Some Spanish settlement grow into large citizes growing rich local natural resources. For example Oraxon de Jairez grow rich on the cachinos (TAR-Hotshawstr) insect unat los marks a permanent red dyc. Spanish knodwomer took advantage of Mexicolis large and improveriend indiaenous communities. Workers on lone has downer citates. known as

indigenous communities. Workers on large landowners' estates, known as haciendas, grew cash crops but were paid very little for the labor they did. It was, and in many places still is, very difficult for poor workers to earn enough to become independent of their landlord. After independence from Spain, members

necommenapeasean on unternationary, nuter integritation for so flower of poor rural communities sought independence from the landowners.

Rural-to-urban migration has greatly altered the population's distribution. Today, more than 78 percent of Mexican citizens live in urban areas. Mexico City is a megacity that has absorbed surrounding towns and smaller cities into the dominates a country's economy, culture, and government and in urban sprawl of the dominant city. It has received millions of migrants as well.

The poor seek work in urban areas, migrating to regional capitals or to Mexico
City, Mexico City is important because it is the primate city. It is more than just

republic and adopts a fodoral constitution Treaty recognizes Mexicar Caudillo Antonio Lópes de Santa Anna becomes president and halts reforms

1800 **3** Father Micuel Mexico engages in war with the Hidalgo sparks
the decade-long 1. Analyzing Whydayouthink United States
over Texas
territory Treaty
out struggle for

Metico. Metico City has the best schools, hospitals, and housing in the country. It also has serious overcrowding, the most impoverished neighborhoods, and him levels of air pollution and water pollution.

Society and Culture Today

Colonial rule lasted for nearly 300 years in Mexico and gave the country's different cultures an important point of unifying identity. The inspectly of Mexicans identify themselves as Catholic. The rituals practiced in churches, however, are a blend of the diverse internal influences that drive Mexican culture.

Family and the Status of Women
Mexican culture highly values family. Today, many upper-class families are: moving into more nuclear living arrangements, with only two generations in one house. The majority of Mexican homes, however, still hold three or four house. The majority of Mexican homes, however, all hold three or four generations. The systemation Sample, including cousines and grandparents, acts as a social support network with older generations raising younger ones. This is especially common in rund sense and in poport communities.

Spanish culture established the tradition of machinese, or made dominance. In Mexico. As in other Latin American countries, women in Mexico have

traditionally been limited to culture-specific roles in society. Their first obligation is to the family. However, women have made huge strides toward equality in the hast few decades. More women are entering the workforce and are involved in traditionally male professions, as well as in the political arena.

La Reforma ("The Reform") President Benito Juárez brings great changes to Mexico

⊋1900∙

One political party, the Portido Revolucionario Institucional (PRI),

begins its 929

PRI's control ends when Vicente Fox Quesada of the opposition party Partido Acción Nacional (PAN) is

1917 Portirio Diaz leads

New constitution brings additional reforms and establishes Mexico as a foderal republic.

22012 · · · · · · PRI regains control
with Enrique
Peña Nieto winning the

made up of several generations of

Human devgraphy of mexico



Technology Skills

Acquiring Information Have small groups of students use online resources to collect more in-depth information about life In the megacity of Mexico City, Assign each group a specific area to research, such as cultural institutions, systems of housing, industries and husinesses, school systems, and transportation Once groups have completed their research, have them create multimedia presentations using photographs, video clips, and charts or graphs to organize their data. Invite groups to present their findings to the class. Finish with a class discussion about the advantages and drawbacks of living in this city. Verbal/Linguistic, Visual/Spatial

C Critical Thinking Skills

Exploring Issues Have students think about how attitudes in Mexican society are changing and what positive and negative effects these shifting beliefs might have on society in the future. Ask: How is fa (Possible answer: Although most Mexican homes, particularly in poor or rural areas, still house extended families, many upperclass families are using their prosperity to live in homes with only one or two generations present.) How might this o affect how people live? (Possible answer: Previously, Mexican families could rely on the support network of family to share work such as child-rearing or looking after older family members who could no longer take care of themselves. If more and more people live apart from each other, families will have to find other ways to compensate for the lack of this support network, such as paying for outside help to provide child or elder care.) What lim kinds of work that women could do the in past? (Possible answer: A tradition of male dominance inherited from the Spanish settlers trapped women in certain roles.) What proble men face as they work to gain equality? (Possible answer: They will have to overcome and replace the ingrained tradition of machismo with one that accepts women as equals.) Verbal/Linguistic, Logical/Mathematical

networks TIME LINE

syncretism ablerding of beliefs and practices from different

megacity a great day that is made up of saveral large and

imate city advito

MEXICAN

Independence

and Change 3

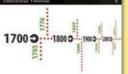
The story of Medica's history is a flacinating one. Starting with ancient chillutations and flagic conquest, it is followed by independence and swedetien, resulting in the Medica

roligions into one faith

Mexican Independence and Change

Hypothesizing Use the time line on Mexico's history to help students consider the various ancient civilizations and tragic conquests that ultimately lead to the country's 1700 2 --- 1800 2 --- 1900 2 Independence. Explain that the Spanish set up numerous Catholic missions in Mexico to establish a strong presence in Mexico. Point to the year 1810 on the time line and read the text about Father Miguel Hidalgo. Ask students

the following questions: What does it mean that he is titled a "father"? (he is a Catholic priest) Do you think he is most likely a Spanlard or a Mattive Mexican? (He was born in Pénjamo, Guanajuato, so he is a Native Mexican.) How might this revo different if the opposite group led it? (Student answers may vary, but they should reflect logical reasoning.) [23] Verbal/Linguistic



Hidalgo ends war in 1848.



VIDEO

Mexico City

Creating Charts Use this video about Mexico City to show how the city has diversified and changed over time. Explain that over the years Mexico City has gone from an Aztec society to a thriving metropolis that blends indigenous. European, and modern architectures and cultures into one city. Working with a partner, have students create a two-column chart. Have them list traditional influences in one column and modern influences in the other. Have pairs share their charts in a class discussion. [ELL Visual/Spatial



landowners' estates were paid very little for the labor they provided, making it difficult for poor workers to earn enough to become independent.

ANSWERS, p. 182

1. Benito Juárez brought great changes to Mexico during La 2. Vicente Fox opposed PRI. It regained power in 2012.

ANSWERS, p. 183

READING PROGRESS CHECK Workers on Snankh

maman deography of mexico

V Visual Skills

Using Graphs: Provide time for students to analyze and interpret the graph. Then in a class discussion, ask: What are the three labor sectors represented on the graph? (Modarly, agriculture, and service) What do the colored sities on the graph tell you? (the percentage of oil working women employed in each area) Which sector employs the smallest percentage of women? (agriculture) Have students answer the usestions on their yown. [23] Sixtual/Spatial.

Critical Thinking Skills

Analyzing Have students consider what they have read so far about the composition of the population of Mexico and how different cultures have met, clashed, and blended over time. Ask: How would you summarize the point this paragraph is making about the relationship between Mexican culture and traditional foil: culture! (Although formed by a callection of different influences, Mexican culture is trying to establish a kind of annly by treating parts of fide culture as universally Mexican.) What are some examples of pleces of folk culture that are now recognized as "Mexican"? (Maga pyramids, Artec temples, the moral form) Why might the Mexican people find it useful to unite their culture in this way! (Sharing a common cultural Mentity that joins and preserves, rather than ignores, past accomplishments might unite the people politically and sociolity. I see a local Mathematical

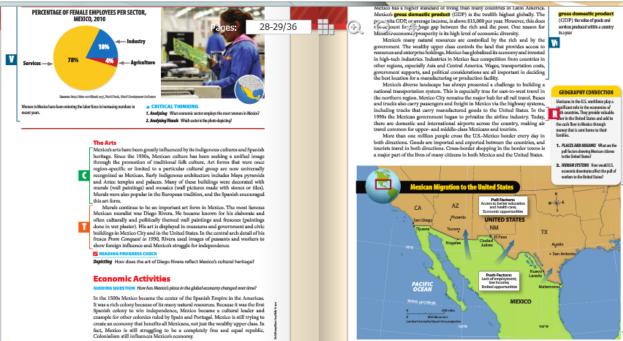
Technology Skills

Identifying Perspectives Have students explore the work of Diego Rivera in greater depth. Organize students into pairs. Have each pair conduct online research to locate an example of Rivera's wall paintings and firescos. Pairs should present to the dasa a poster displaying their chosen artwork, along with their interpretation of Rivera's perspective on his subject and an explanation of how they feel this piece of art uses images to reflect Mexico's cultural heritage. Visual/Spatial, Verhal/Ilmguistict

ANSWERS, p. 184

■ READING PROGRESS CHECK Rivera's work is culturally and politically themed. In his fresco From Conquest to 1930, the images of peasants and workers show foreign influence and Mexico's struggle for independence.

- 1. The service sector employs the most women in Mexico.
- 2. This photo depicts the industry sector.



Online Teaching

Women in the Workforce

networks

Analyzing Use this interactive image and graph to discuss the issue of gender and society in Mexico. Divide students into small groups to discuss the following questions based on what they have learned:

- Why are the largest percent of women employe in the service industry?
- How might family values influence this employment choice?
- How might equality and political change influence this employment choice?
- What events or actions might change the shape of this chart?
- Verbal/Linguistic

INTERACTIVE MAP

Migration to U.S.

Formulating Questions Display this Interactive map about Mexican migration to the United States. Ask students to write three guestions they have about the map and how it relates to Mexico's immigration and foreign relations policy with the United States. Collect the questions and have the dass answers the mafter reading the lesson, if there are some questions that are not answered, encourage students to research the answer as honework and then report when the properties of th

write three questions they have about wit relates to Mescios immigration tions policy with the United States, tions and have the class answer them lesson. If there are some questions were, encourage students to weers as homework and then report the class. The Verbal/Linguistic

mannan deography or mexico



W Visual Skills

Creating Charts Have students work in pairs to create a two-column chart to keep track of the actions Mexico has taken to globalise its economy and the challenges it has faced in doing so. Suggest that students enhance their charts by doing additional research to learn more about issues such as competition between industries in Mexico and other countries or the construction of Mexico's transportation system. Invite volunteers to share their completed charts with the class. Interpersional, Visual/Spatial.

Reading Skills

Defining Ask students what the word private means. Then point out the word private in the text. Ask students what estiffs 4 zer mean, it changes or noun or adjective into a verify. Ask: Based on your understanding of the suffix -lze, what does the word private mean? If on moke private, or in this case, to put in the hands of private businesses the work of running different artiface) [373] Verbal/Linguistic

V₂ Visual Skills

V₂

Mexico 185

Analyzing Visuals: Have students examine the map and identify its parts and features. Asid: According to this map, which country offers the greater prospect for good employment and why? (The United States offers the greater prospect for anotals better markets and more jobs.) if nothing changes, what will be the long-term effect on the labor force in Mencio? (Possible crosver: If Mexico is not able to establish better market and stronger source in the state of employment, so much of its lobor force will move north that its economic fortunes will be hearticably inted with those of the United States and its zown industries may begin to college with nothing to replace them.) [7.3. Visual/Spatial, Logical/Mathematical

ANSWERS, p. 185

GEOGRAPHY CONNECTION

- Markets and jobs are the pull factors drawing Mexican citizens to the United States.
- Because there would be fewer jobs in the U.S., it is possible the pull would decrease.

Human deography of mexico

W Writing Skills

Informative/Explanatory Have students do additional research to learn more about the economic relationship between the United States and Mexico and how each country honafite and cuffore by the current state of affaire. Have students write essays using facts and details to explain the situation and propose solutions that might improve the economies of both countries. [3] Verbal/L

Critical Thinking Skills

Identifying Central Issues Have students review the Information about drug cartels. Ask: What makes drug y? (By pumping money into local economies in the form of bribes and loans, they support these economies and allow the people to make a living.) Guide a class discussion on the types of things that might need to happen to end the reign of drug cartels. Logical/Mathematical

CLOSE & REFLECT

Understanding Relationships Among Events Have students write a few paragraphs explaining some ways life in Mexico has improved over time, some recurring problems Mexico has faced, and the challenges that this country faces today. Invite volunteers to share their naragraphs with the class.

Mexico's economic prosperity is its high level of economic tech industries, resulting in the twelfth highest GDP globally.

the U.S. border and around cities in the interior. Without political and social reforms. Mexico cannot build a middle

PRIMARY SOURCES

"Without deep political and social reforms, experts say, the thousands of maquiladora plants that cluster at the U.S. border and amund cities in the interior will remain a fixture for decades to ome, and Mexico won't build a middle class that's big enough to fuel faster economic growth."

> —Tim Johnson "Meeter's 'maquiladera' labor system keeps workers in powerty," The Miseral Hossald, June 18, 2012

DBQ IDENTIFYING CAUSE AND FREEZY Why does the author believe that Medos cannot belid a middle class? BEA-101 DEC-102

maquilladora in Nesics, a manufacturing plant owned by a

free trade zone anamaria do not apply

priones has increased rapsuly since the mild-1990s. The ministructure and availability of high-speed Internet exists, although not in all areas. People in Mexico City, in some areas along the border with Texas, and in busines

like Monterrey and Guadalajara have the most acce. The vist ma Mexicans, however, are left out of the digital age. According to the 30-31/36 Internet Association, about 82 million people—70 percent of Mexicans—had no access to a computer or the Internet in 2012.

NAFTA, Trade, and Maguiladoras

In 1992 Mexico, the United States, and Canada signed the North American Free Trade Agreement (NAFTA). NAFTA is a comprehensive agreement that climinated most trade restrictions. As a result, trade among the three countries grew by 10 to 15 percent annually. Mexico's economy has been transformed by se increases in trade and the flow of investment.

NAFTA has also been a source of controversy and concern. Mexico is more dependent on the economy of its northern neighbor than the United States is on the Mexican economy. Mexico has protested the harmful effects of subsidized agricultural exports from the United States that may be forcing Mexican small landholders off their farms and into service-based or industrial jobs. Meanwhile, many U.S. workers are concerned about the loss of their jobs to workers in Mexico.

During the past 50 years, American and Japanese firms have built manufacturing plants in Mexico. Many of these factories, known as maquiladoras, are located close to the U.S.-Mexico border, Maquiladoras are located in free trade zones Such areas benefit foreign corporations by allowing them to hire low-cost labor and produce duty-free exports. They also offer the host country employment opportunities and investment income. Critics of maguiladous charge that the

system often ignores labor laws, thus encounging low-paying or dangerous jobs.

The illegal drug trade is both an influential and dangerous part of the Mexican economy. Drug cartels often reinvest the money they make into their communities—both through private loans to small businesses and in the form of bribes to police and politicians. This makes them a powerful social and economic force. Many rural mountain communities have relied for generations on the poppy and marijuana fields, controlled by cartels, that support their families. The government has not been able to discourage the growing of these crops because no legal crop can match their cash value for these isolated farmers.

Assessing What factors contribute to Mexico's higher standard of living compared

to other Latin American countries?

LESSON 2 REVIEW (CCS)

Reviewing Vocabulary (NorTheo Book)

1. Classifying in what ways is Medico City both a megacity and a primate dis? BLS-10.4

Using Your Notes
2. Summarizing: Use your graphic organizer on the human geography of Meelco to write a paragraph summarizing society and culture in Meelco today.

ing the Guiding Qu stones What influenced Medica's political and

4. Hypothesizing What factors have shaped Nexico's population

5. Evaluating How does Medican society and culture reflect the

6. Expliaining How has Medica's place in the global economy

Informative/Explanatory Write a paragraph escassing in maguilladors involve Mexico in world trade. Wester-in.2

ntavy Write a paragraph discussing how

Content Vocabulary

TAKING NOTES: Key Ideas

IDENTIFYING Use a web diagram similar to the one below to take notes as you read about the issues that relate to

people and their environment in Mexico.

Harmen Harmen

People and Their Environment: Mexico rading **HELP**DESK

Academic Vocabulary INTIAL QUESTION • How do physical systems and human systems

IT MATTERS BECAUSE

The ways that people extract and use resources today can have substantial impacts on their well-being in the future. Resource management and sustainable development are important so that future generations can continue to benefit from an area's natural resources. Mexico has been so focused on increasing economic development that conservation of resources has not been as high a priority. However, concerned Mexican citizens are working hard o find ways to preserve the land and all that it provides.

Managing Resources

TION Why are Mexicals resources in inconarchi

Mexico has many natural resources. These include petroleum, silver, opper, gold, lead, sinc, natural gourses. These meanse pervicious, sure-copper, gold, lead, sinc, natural gos, and timber. Industrial access to these resources enriches the economy and creates jobs and new investment opportunities. Obtaining and using these resources, however, other results in significant problems that threaten Mexico's cavironmental health.

Mexico's many ecosystems are experiencing the effects of global climate change and environmental destruction. For example, semi-arid regions are seeing longer droughts and more desertification, or the development of desert-like conditions. Forested areas throughout development of desert-like conditions. Forested sees throughout Mexico are experiencing new patterns in minfall. Many changes in the environment are a result of increasing migration to urban centers. This puts pressure on the surrounding environment. As cities grow, the surrounding land is cleared and developed.

At the same time, environmental degradation itself is increase urbanization. The destruction of rural resources forces migration to urareas. People move to the cities to seek employment away from the hardship of living in regions destroyed by poor environmental management.

About one-third of Mexico is covered in large forests ranging from deciduous and coniferous forests to tropical rainforests. Forest destruction and the loss of biodiversity, however, is occurring at an alarming rate. As Mexico's economy grows, so does the demand for timber

networks

INTERACTIVE BELLRINGER

Diminishing Frontier Forests in Mexico

Interpreting Visuals. This man can be used to introduce the concept of deforestation in Mexico. Explain that there are many causes for deforestation, or the loss or destruction of forests. For example, people might harvest the trees for wood or clear them to make snace for farming or cattle-raising. Have pairs of students read the introductory text, study the map, and answer the questions. Then ask students to write a paragraph discussion how and why this man might look different in future years. Visual/Spatial, Verbal/Linguistic





Mexico **ENGAGE**

Reading Skills

Activating Prior Knowledge Have pairs work together to brainstorm the ways people extract and use natural resources and how these methods may burt the planet and deplete the resources. Then have partners discuss things people and countries can do to conserve resources. Invite students to share their knowledge with the class.

TEACH & ASSESS

Critical Thinking Skills

Identifying Cause and Effect Have students create a graphic organizer that will help them record information about the many cause-and-effect relationships described in this lesson that explain current issues in Mexico such as deforestation, water scarcity, and desertification.

Issue	Cause	Effect
Deforestation	land around cities is cleared	lass of biodiversity

Point out that some issues may have many different relevant causes and effects to record. Students should continue to add more information to their charts as they read on in the lesson. FTM Visual/Spatial

Reading Skills

Defining Ask students what the word diverse means (showing a lot of variety). Then point out the word biodiversity in the text. Ask students what the prefix blo-means (life). Ask students what the suffix -ity means (state or quality of being). Ask: How aht you use these word parts to do (Possible answer: the state of containing a great variety of life.) [30] Verbal/Linguistic

ANSWERS, p. 187

TAKING NOTES: managing resources—Mexico's ecosystems are experiencing the effects of global climate change and environmental destruction; increasing migration to urban centers is contributing to deforestation and pollution: human impact—increased access to manufactured goods results in waste accumulation: increased carbon emissions results in air pollution, causing chronic health conditions; addressing the issues government investment in education and health services leads to a hetter educated and more literate nonulation that demands more from government and from society

ANSWERS, p. 186

READING PROGRESS CHECK One reason for diversity. Mexico globalized its economy and invested in high-

DBQ There are thousands of maguiladoras that cluster at dass large enough to fuel economic growth.

LESSON 2 REVIEW ANSWERS

Reviewing Vocabulary

1. It is a megacity because it is city that has absorbed several towns and small cities. It is a primate city because it dominates Mexico's economy, culture, and government, and population is concentrated there.

Using Your Notes

2. Paragraphs should show understanding of the Influences on Mexican society and culture today

ering the Guiding Questions

3. Indigenous peoples and the Spanish influenced Mexico's political and social structures. Protests against European rulers and the 1917 constitution were of

4. The Spanish established missions that grew into large dties. Internal migration to dties has greatly altered the population's current distribution. Today, more than 78 percent of Mexican ditizens live in urban areas.

5. Mexico's arts have been influenced by both its Indigenous cultures and Spanish heritage.

6. Mexico was the center of the Spanish empire in the West because of its natural resources. Today, it still has many natural resources, but Mexico has diversified its economy and invested in high-tech industries.

Writing Activity

7. ILS and Jananese firms have built manufladoras in Mexico They are located in free trade zones, which benefit foreign corporations by allowing them to hire





Mexico

V Visual Skills

Analyzing Visuals Have students study the map key, labels, and other parts of this map. Ask: What do the different nd Indicate? (the environmental threat that puts each area in danger) What threatens brown land? (deforestation) What threat is most prevalent in the northern plateau area of Mexico? (overgrazing) How could looking at this map help the gove businesses of Mexico plan a better strategy for redu environmental deterioration? (Possible answer: They could see how types of environmental degradation correspond to the geography of Mexico and make connections to the cause-and-effect relationships between pollution and geography Once they understand these relationships, they can adjust the collection and use of natural resources to create new effects and outcomes.) [13] Visual/Spatial, Logical/Mathematical

Content Background Knowledge

Controlling Deforestation To help control the spread of deforestation, the Mexican government pays landowners not to cut down the forests in some areas. The government tries to limit the amount of these incentive payments so that the landowners do not pursue other ways of making money, which would hurt the economy, but they do hope to reduce poverty with this money. Concerned that some people may resort to cutting down trees on unprotected lands, they are monitoring the areas bordering the protected land to see if they detect any sudden reduction in trees there.

W Writing Skills

Informative/Explanatory Have students recall what they have read about the limited water resources in Mexico. Have them write a paragraph describing the importance of water to life in Mexico and what factors affect people's use of this natural resource. Logical/Mathematical

ANSWERS, p. 188

GEOGRAPHY CONNECTION

- 1 The west coast of Mexico has the most industrial contamination
- 2 Overgrazing affects the largest area of land in Mexico.

32-33/36

GEOGRAPHY CONNECTION Vesico has beautiful landscapes with

- abendant resources, but environmental deterioration throatens its lands. 1. THE WORLD IN SPATIAL TERMS Which coast of Mexico experies most industrial contamination
- 2. ENVIRONMENT AND SOCIETY
 Which throat effects the largest area Control of Bend In

corporate formed into an association and endowed by law with the rights and liabilities of an

deferestation thelessor destruction of forests, mainly for logging or farming

ignorance lack of knowledge education, or avarances

Environmental Deterioration

Predicting Use this interactive map to show the

Mexico. Remind students that growing population

demands, as well as the corporate logging industry,

have both lead to deforestation and a depletion of

natural resources. Explain that currently Mexico's

government has stepped in to try to limit and control

environmental mismanagement. Have students write

a paragraph predicting what they think will happen to this region over time. Ask

them to explain if they believe the rainforests and other natural resources in

Mexico can be preserved for future generations to enjoy. Verbal/Linguistic

environmental resources and deterioration threats in

networks

INTERACTIVE MAP

in Mexico

resources, which are an important part of Mexico's export economy. The corpor logging industry is one source of the problem, but not the only cause of tation. The growing population demands more food resources. In response, ranchers and farmers are clearing the forests and creating new areas for growing food and grazing cattle.

In 2000 Mexico developed the National Biodiversity Strategy and Action Plan. in 28th miscon corresponds to measurements and protect the biodiversity the plan lass form ranjer objectives to conserve and protect the biodiversity components, to value the different components of biodiversity, to promote knowledge of biodiversity, and to recommend materials and diversified use of biodiversity components. Rodicing guidic importance of the consequences of extremental materials required in the contribution of the consequences of extremental materials required in the contribution of th Sustainable development projects that utilize natural resources responsibly are

December development projects one state mature resources requiremy are the only solution to the demands of a growing population.

Mexico has numerous mountain ranges, dry norther plains, vast southern jungles, and many longe cities. Consequently, only 12.7 percent of Mexicols land is arable, or suitable for farming. Producing enough agricultural products is difficult

in Mexico. With only a few major rivers and lakes, water resources are precious.

The demand for water resources in the northern part of the country is so high that descrification is a growing problem. Climate change has meant that recent years have seen an increase in drought throughout northern Mexico.

Both ranchers and farmers have suffered from the water shortages.

More than 50 percent of Mexicols population lives below the poverty line,

many in substandard conditions in large urban centers. Both rural and urban

removal. Human needs are putting heavy demands on land, water, and limber ources. Pollution of water, sir, and land is a growing concern for Mexico.

Mexico City in particular is facing serious problems with its water supply.

I wie Ing water to yore than 20 million residents is a challenge for the city's struggling infrast acture. The natural underground reserves of water have been numbed dry. Once water is removed, the clay soil compacts in the empty space and the water cannot be replaced. Over the years, these empty water reservoirs in and around Mexico City have been collapsing. This creates sinkholes, or depressions in the land, and relevels the surface. Buildings in Mexico City are tilting because the land underneath them has been emptied of water. This cess is called land subsidence.

The poor are the greatest victims of the urban water crisis. Municipal water supplies often do not reach their settlements on the outskirts of the city. Citizen groups have been working to improve the water supply through advocacy and education, and by encouraging the government to privatize water management.

ring the issues Describe how large-scale urbanization has affected Mexico City.

Human Impact

Hour do human artivities inspart Mexica's anvironment?

Rapid urban growth in the last century and high rates of poverty have made social development a constant challenge in Mexico. As portions of the economy grow, access to consumer goods and the number of consumers increase. As a result, waste accumulation is a growing challenge. Without infrastructure to

support proper waste disposal, pollution is an enormous problem in urban areas.

Mexica's economy is still growing. When people achieve a new economic status, they invest in material goods such as electronics and cars. Cars are a major contributing factor to air pollution problems. Mexico City is located in a valley. Carbon emissions from cars are often trapped in the valley. This creates a toxic haze over the city. As a result, the sky around Mexico City is often a dull gray or brown. The government has been making emission regulations a priority to try to reduce the level of pollution in the air. Until these regulations take effect, citizens will continue to suffer from health problems related to air pollution, such as an increased risk of asthma and chronic lung infections.

Analyzing What are the causes and consequences of air pollution in an urban

Addressing the Issues

ION How are governments in Mexico addressing em

The last 20 years have seen a rise in political action and activity by many Mexican citizens. As a result of government investment in health and education, a better educated and more literate population has begun to demand more from their government and from society. These citizens want better living conditions and have also shown a concern for protecting the environn

Metico has enacted new regulations to try curb the destruction of natural resources. The government is also working to support farms and businesses that contribute to the economy and are interested in protecting those resources.

#SCIENCE

Investigating how human

world and how the environment, in turn, affects human life is the work of environments scientists. They also examine how to preserve and repair these relationships in order to create a sustainable society. Environmental science crosses the boundaries of several subjects, including geography. Environmental ate use many geographic tools, such as geographic information systems (GIS) and remote sensing. They determine the condition of and changes in environm to examine the causes of destruction and to create plans for remediation and development.

companyed What tools are commonly used in both the fields of environmental science and geography?

technological and economic growth that does not deplete the human and natural resources of a oliven area

land subsidence the ships or settling of land to a lower level in response to various natural and human-caused factors

Mexico 189

READING PROGRESS CHECK More than 50 percent of Mexico's population lives below the povertyline, in substandard conditions in large urban centers. There is a struggle to provide basic resources like clean water, electricity, and garbage removal. The removal of water from underground reserves to meet the needs of a growing population has resulted in sinkholes, causing buildings to tilt. READING PROGRESS CHECK As portions of the economy grow, access to manufactured goods, such as cars, Increases, Carbon emissions from cars can be trapped above a city, making a toxic haze. This air pollution can be carried into waterways.

Connecting Geography Environmental scientists use many geographic tools, including geographic information systems and remote sensing

VIDEO

U.S. Mexico Border

Problem-Solving Use this video about Tijuana and the Mexican border to show some of the environmental and economic changes occurring in Mexico. Allow students to take turns citing examples from the video of the changes. Have students choose one of the changes that they think is critical to the population or economy of Mexico. Group students by their critical change selection, and then have each group write a list of potential solutions.

Verbal/Linguistic





Mexico

Reading Skills

Inferring Discuss with students the reasons behind the urban water crisis in Mexico City and why it threatens the poor more than anyone else. Ask: Why are the poor resid more affected than other people living in Mexico City
(The poor cannot afford the more expensive housing inside the city, so they live in the cheaper surrounding greas where clean water may not be piped.) Why might privatizing the water supply solve this problem? (Passible answer: The government is overextended and does not have the resources needed. Private businesses with their own sources of funding might be more successful in building the pipes and infrastructure needed to transport clean water to all areas.) Logical/Mathematical

Making Connections

Geography of Air Pollution Mexico City is not the only metropolitan area with air pollution problems. Many cities in the United States struggle with issues of pollution, too. The geography of certain cities works to trap the pollution. causing poor air quality. Los Angeles, California, is located in a basin with mountains to the east that trap and hold polluted air over the city. Chattanooga, Tennessee, is located in a valley where air flows over neighboring mountains and is trapped, holding air pollution in place. At one time it was the most polluted city in the country for poor air quality.

Technology Skills

ANSWERS, p. 189

Acquiring Information Have students form groups and use online resources to collect more in-depth information about the work an environmental scientist does. Have groups create a visual that presents information about representative jobs an environmental scientist performs, places where they work around the world, and images of the types of equipment they use. Invite groups to present their visuals to the class. ■ Verbal/Linguistic, Visual/Spatial

Mexico

C Critical Thinking Skills

Making Generalizations Review the first two paragraphs with students. Ask: What is significant about th ing as part of the Border 2020 m? (It is designed to empower local citizens and businesses in affected communities to make the decisions.) What risk of am do some gro fear companies will buy carbon credits to avoid having to reduce pollution, which would affect indigenous people and forest communities because their lands would be taken.) Have students recall the relationship between the governing groups in Mexico and the people who have been governed. [73] Logical/

Exploring Issues Divide students into small groups and assign each group one of the programs mentioned in this sectionthe Border 2020 Program, the REDO+, and Muévete en Blci. Have each group use the internet or library resources to research more details about the history and outcomes of their assigned program. Groups should use their research to evaluate how effective their assigned program has been so far at combatting the problem it was designed to solve. Have groups present their findings to the class. Then lead a class discussion about the serious issues facing Mexico today. 🔃 Verbal/Linguistic

CLOSE & REFLECT

Expressing: Have students think about the reasons Mexican people rely on their natural resources and the negative outcomes that are sometimes produced when they harvest and use them. Ask each student to pick one way that Mexico's resources are in leopardy, write a description of the impact of human activity on this resource, and then explain how Mexico is responding to try to fly this situation

ANSWERS, p. 190

READING PROGRESS CHECK The Border 2020 Program addresses the environmental and public health problems in the border region. The Reducing Emissions from Deforestation and Forest Degradation program uses incentives to reduce the emission of greenhouse gases.

- 1. They are promoting taking care of beaches and oceans.
- 2. They can provide education and information on issues that encourage people to participate in protecting their environment. They can organize large groups of people and generate great enthusiasm.

- CRITICAL THINKING

 I. Analyzing Wasah What came
 do you think the surfers may be
 promoting?
 I. Monthlying Gasse and

 Effect Explain how offers by
 guarants cognitizations can lead to
 positive change in environmental
 income.



For example, the Border 2020 Program is an environmental program that emphasizes regional and local approaches for decision making, priority setting, and project implementation. It also addresses the environmental and public health problems in the U.S.-Mexico border region. The program empowers citizens by encouraging meaningful participation from co-

incss owners.

The Reducing Emissions from Deforestation and Forest Degradation The Reducing Emissions from Deferostation and Forest Degradation (REDD-1) program is a program designed to use market and financial inscendives to reduce the emission of greenhouse guese. Yet some groups werey that for indigenous peoples and other forest communities, REDD-1 posse significant risks. That is because it enables companies to buy carbon credits enther than enduce pollution at home. This could lead to indigenous lands being taken in exchange for permits that allow industries to continue to pollute.

Another program aimed at protecting the environment and reducing pollution is Manyate on Bici. Launched in 2007 by Mexico City mayor Marcelo Ebrard, the program closes major thruwsys to auto traffic on Sundays and gives corracy, the program class major tomovary to annot mean on oursays an agree the right of way to tens of thousands of cyclists in a 14-mile (2.5-km) loop. The mayor followed the Sunday rides with the city's Ecobic program in 2010. This gives subscribers unlimited access to bicycles at stations for \$2.5 or year. In 2012 the program had 4,000 bicycles at 275 stations for 75,000 bicyclists. Encouraging e use of bicycles contributes to the reduction of sir pollution in Mexico City by ducing the number of cars on the roads.

Describing Describe two specific steps taken by the Messcan govern address pollution and resource management.

LESSON 3 REVIEW (CSS)

Reviewing Vocabulary (Ser Tere World)

1. Describing Define sustainable development and provide at least male of how it portains to Modes. 1869-1944

Using Your Notes ra Mones: Using your graphic organizer, write a

paragraph discussing how Modes manages its resources. **Answering the Guiding Questions**

4. Special of the result of the second of th

5, Identificing How are governments in Medico addressing

Writing Activity

ent. Write a letter designed to persuade the government this lesson. WHETH-URLE

LESSON 3 REVIEW ANSWERS

Reviewing Vocabulary

1. Sustainable development is technological and economic growth that does not deplete the human and natural resources of an area. The National Biodiversity Strategy and Action Plan was developed to encourage sustainable and diversified use of blodiversity components.

Using Your Nates

2. Mexico's ecosystems are experiencing the effects of global climate change and environmental destruction. As natural resources are destroyed, humans migrate to urban areas, which stresses the surrounding environment. The government has taken steps to promote sustainable development, including the National Biodiversity Strategy and Action Plan.

Answering the Guiding Questions

- 3. Mexico's resources are in Jeopardy due to global dimate change and a growing economy, which leads to environmental destruction
- 4. Manufactured goods are being produced at greater rates; without infrastructure to support proper waste disposal, pollution is a problem. Carbon emissions from cars become trapped in the air, creating a toxic haze.
- 5. Governments have created a variety of programs to address environmental issues.

6. Letters should show an understanding of how the environmental noblem impacts Mexico and how solving the problem would help Mexico.





D across: Do a super-to-sheet of paper, answer the questions below. Make sure you read carefully and a sure- M parts of D D D D D

Exploiteler Describe how Mexico's location on the "Ring

HITTO ASSESSMENT

- Describing Describe the Medican Plateau and its contance to Meetics in terms of agriculture.
- Drawing Conclusions What Industries would be most affected when an oil spill occurs in the Guff of Mexico?

- O Evaluating How has colonialism and Indigenous culture shaped the human geography of Medesi
- Analyzing How has the Catholic Church Influenced
- Summarizing How does family shape Medican society?
- Analyzing Describe how the growth of Medica's urban middle class has affected the economy of Medica.
- O Employed What are two results of rural-to-orban Montifying Cause and Effect. What are the causes and effects of deforestation in Mexico?

Need Extra Help?

- Making Generalizations: Has the maguilladers system had a positive or negative effect on Medical people? Bookin.
- (i) Identifying Gause and Effect Brainin how the count of the middle class in Medica has contributed to an Increase in awareness and political action in regard to
- Drawing Conclusions How might wars between drug cartels affect the economy of Mexico?

Review the graph, then answer the questions that follow:



- (T) Using Graphs, Charts, Diograms, and Tables By how
- Consumption and Contrasting How does Medica's

College and Career Readiness

Change and Continuity in Economics As an economic geographer working for the Inter-American Development Bank, you have been asked to help the Mexican nent diversify agricultural output. Write a proposi explaining why dependence on a single cash crop can be risky. Then describe how the government could use subsidies, improved technology, and cash payments to help diversify agriculture. Ote an example from primary



- As more people move to the cities, the surrounding land is cleared and developed. Ottes do not have the infrastructure to support a growing urban population, leading to pollution and limited water supplies.
- Orporate logging and ranchers and farmers clearing the forests to create new areas for growing food and grazing cattle cause deforestation. Effects include loss of habitat, issues with greenhouse gases, and rural to urban migration.

Critical Thinking

Student answers may vary, but must be supported by mpanies ignoring labor laws, which encourages dangerous and low paying jobs.

- The population is becoming more literate and better educated, and has begun to demand better living conditions and to focus on protecting the environment.
- Cartels often reinvest in communities, which supports the local economy. Farmers are also unable to make as much growing legal crops as they can from growing illegal drugs for the cartel. The loss of income for these farmers and communities would hurt the economy

21st Century Skills

- Mexico's agricultural exports decreased by about
- The growth rate of Mexico's manufacturing exports is

DESCRIPTION OF THE PROPERTY OF

Lesson Review

- The Pacific Plate has collided with other tectonic plates, and the seismic activity has belied shane Mexico's landforms.
- It has moderate consistent temperatures, which give rise to crons such as grain. Most of the food grown in Mexico comes from the Mexican Plateau
- Fishing industries would be most affected.

- Colonialism provided the many cultures of Mexico a unifying identity. It also created the large gap between the wealthy and the poor that still exists today. Indigenous cultures brought many languages and belief systems, and have had a strong influence on the arts.
- The Spanish used Catholic missions to get a foothold in Mexico Mission churches were used as military outnosts and market towns. The traditional indigenous beliefs melded with Catholic culture in a process called syncretism.
- Family is important in Mexican society. Many Mexican families are extended families, with several generations in the same home. This is particularly true in rural areas and poorer communities. Extended families provide sodal support.

Losson 3

People are able to purchase material goods, such as electronics and cars. This places money into the economy. causing it to grow.

College and Career Readiness

Each proposal should include: an explanation as to why dependence on a single cash crop creates risk to the economy and environment; a discussion of ways the Mexican government could utilize subsidies, improved technology, and cash payments to aid in diversification: and examples from a primary and a secondary source.

Napeabiliett vilameta Research and Presentation

Student answer may vary, but should identify a specific art form such as murals, weaving, mosaics, and/or ceramics. They should describe the art form, explain the type of materials used in it, and explain the cultural significance of the art form.

Exploring the Essential Question

Poster should illustrate how human systems have had an Impact on Northern Plateau, Mexico City, Yucatán Peninsula, Sierra Madre Occidental or Oriental, or Southern Highlands; posters should include photos, graphs, charts, and maps.

Applying Map Skills

- Mining locations are scattered in the interior and on the northwest coast. Mining contributes to the deforestation
- The semi-arid climate dominates Mexico along the Tropic of Cancer causing the vegetation to be limited to shrubs, grassland, and cacti.
- Student answers may vary, but should identify the Rio Grande and explain how it appears as a border between Mexico and Texas

Analyzing Primary Sources

- (1) It marked the end of a 26,000 year galactic cycle and began a new one.
- Each Baktun represents 144,000 days, almost 400 years. Student answers may vary, but should be represented by
- historical evidence from the chapter such as gaining Independence from Spain.

Writing About Geography

The essay should suggest suitable locations for constructing new cities to relieve Mexico's population pressures. It should also detail the types of resources required to sustain large populations.

CONTIENT MASSESSINGILE

ited her answer pestions be me. Take sure you and corefully and 36/36

@ Research SMMs: Use Internet and Ilbrary resources to gather information about a particular art form popular in Movice. Specifically, wear research should focus on a description of the art form, the type of materials used in the art form, and the cultural significance of the art form.

Exploring the Essential Question

Making Connections Choose one of the places discussed In this charter Northern Plateau Mexico City Navatile Peninsula, Sierra Madre Occidental or Oriental, or Southern Highlands. Use what you have learned about human systems-history, politics, pegulation, society, culture, and economics—to create a poster illustrating how human systems have Impacted your chosen place. Remember to consider the interactions of human sectors: Posters should be visual and can include photes, graphs,

Applying Map Skills

- Refer to the Unit 3 Atlas to answer the following questions. Environment and Society What generalizations can you make about the location of Mexicu's mining areas?
- Physical Systems What is the predominant type of vegetation along the Trupic of Cancer in Medics?
- Hanner Systems Using your montal map, Imagine you are traveling with your family from the southern tip of Texas to the Mexican Plateau. What major river would you see during your travels? Explain how you visualize this body of water as you read a map, and then explain how this body of water would appear if you were to fly over it during your trip.

DBQ Analyzing Primary Sources

Use the document to answer the following questions.

"In the most of simple terms, this time is solstice. December 21, 2012, marks the end of the 13th BaktunJeach Baktun Is 144,000 days—ar nearly 400 years on the Maya calendar), and it marks the beginning of the 14th Baktun. The significance of 21 December, 2012, this calendar's end, and his particular 13/14 Baktun transition, is that it marks the end of a 26,000 year galactic cycle, and begins the calendar of the next 26,000 years galactic cycle. By the very detailed prophecies of the Mayos, this means leaving the calendar of

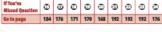
- Jon Waterbows, "View the Mays of Today Are Marking December 21," National Geographic Explorers Journal, December 19, 2012
- Determining Importance What was the significance of combor 21, 2012, on the Mayan calendar?
- (alentifying How many days and years does each Baktun represent on the Havan calendar?
- Making Connections: What events in Nexico's history might be symbolic of the transition of floaving the calendar of Night and beginning the calendar of Day"?

ing About Geography

Wight and beginning the calendar of Day:"

 Argument Use standard grammar, spelling, sentence structure, and punctuation to write a one-page essay suggesting suitable locations for constructing new cities to relieve the population pressures that exist in Mexico City. Be sare to describe the types of resources required to sustain large populations. WHETE-IN.

Need Extra Help



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networks

Chapter Tests and Lesson Quizzes

Assessing Have students complete the Chapter Tests and Lesson Quizzes to assess student understanding throughout the chapter. These assessment tools offer chapter and lesson evaluation through a variety of question formats including document-based questions.







