Senses Worksheet

about 35 years, and after

glasses. 800 years ago

there was no such thing

as correcting sight and

eyesight.

that they may need reading

early in life almost everyone

became disabled by failing

Their invention was

vital to the creative and

Renaissance – a period

of rapid development in

mathematics, science,

commerce, medicine,

and art.

intellectual progress of the

J	CHSCS WOLKSHEEL						
Α	Complete the gaps with a word made fro	m the word in bracke	ts.				
1	The ear has two very important functions – it _	us to hear a	nd it functions as (AB	LE)			
	The middle ear contains three tiny bones						
3 -	The structures of the inner ear are	the vestibule, cochlea a	nd semicircular canals.	(BONE)			
	The eyes are housed in orbits located within th						
	The sclera is the white portion of the eye which						
	The conjunctiva is, but appear						
	Is university damaging eyesight? Eudents experience a marked decline (1)	1) eyesight while at u	niversity, with too m	uch "intensive" reading	(2)		
bl	ame, a study suggests. Researchers at Sp	pain's Complutense U	Iniversity found 31.3	% of first-years(3)	short-		
sig	ghted. Among those four to six years older	, in their final year, th	e rate was 49%. Rese	arch author Dr Rafaela (3arrido		
	aid many(4) the 270 students tested sp						
N	ews Online: "Some students are spending	= (7) long in intens	sive near work with	their eyes. It is also a p	roblem		
W	ith people(8) spend too long on a comp	outer or using a micros	cope. It's difficult to	ask students to do less re	eading,		
	_(9) it is essential to passing courses, bu						
	(10) carried out into lenses to prevent m	nyopia among those in	volved in intensive re	ading or screen-viewing	·-		
	Reading	3 Decide false (F)	whether these stateme:	nts are true (T) or			
	Glasses	1 Most	people of 45 need read	ing glasses.			
1	Discuss the questions with a partner. 2 Scientific progress in the Renaissance led to the						
	For you, is wearing glasses positive or negative? Invention of glasses. Helpes are an example of an absuration.						
	 What is the price range for glasses with lenses in your country? Haloes are an example of an aberration. A squint is a focusing problem. 						
	 Imagine there were no glasses or contact lenses. People with hyperopia need glasses for reading. 						
	How many of the people who you work w	rith every 6 Glass	ses doubled the hours t				
	day would not be able to work?	inac	,				
2	Read the text. Match these titles with paragraphs A–F. 7 Cheaper glasses would help the economies of developing countries.						
	One title is not needed.						
	1 The social effects of glasses		know of any				
	2 How glasses are made	charity that helps restore How glasses are made vision to people in the					
	3 Sight in the developing world developing world? Tell						
	4 The invention of glasses	the grou	ıp about it.	and the same			
	5 How glasses work	5 How glasses work					
	6 An important invention			THONK			
	7 The limited life of eyes		and the same	30			
	THE IMPORTAN	NCE OF S	EEING C	LEARLY			
		Spectacle lenses correct	The invention of glasses	The link between glasses			
	A	focus, and can be used to correct other	freed people from the effects of ageing. At the	and poverty can be seen in developing countries			
	If you had to make a list	problems too, such as	point in their lives when	today. The World Health			
	of ten inventions that have changed the world,	aberrations (seeing ghost images, haloes, waves,	their knowledge and skills were at their highest level,	Organisation says that 28 million people in developing			
	glasses would be on it.	or rainbows) and squints	people could continue	countries, where a pair of			
	C	(strabismus), when the two eyes do not point in the	to read, do accounts,	glasses can cost several			
	Glasses were invented	same direction. However,	write, and do small-scale, detailed work. Glasses	months' salary, are blind from treatable conditions.			
	in the fourteenth century	their most common	have effectively doubled	Educated people like			
	Most people's eyes can and very quickly spread work efficiently for only throughout the world.	use is to correct long- sightedness (hyperopia)	the length of time one can expect to live a productive	engineers and teachers			

- where you cannot focus

- where you cannot focus

on distant objects, and the

loss, through ageing, of

focus (presbyopia).

the eye's ability to change

on near objects, short-

sightedness (myopia)

expect to live a productive

have to retire early, and

read, simply because they

millions never learn to

cannot see.

D Video - Ear

The ear has three parts: the outer ear or(1), the middle ear and the inner ear. The auricle, the visible part of the ear, collects sound waves and directs them to the(2) canal. The auditory, or ear canal is lined with(3) and ceruminous glands. The ear(4) from the ceruminous glands and the cilia protect the ear from entry by foreign matter. The thin tympanic membrane separates the outer ear from the middle ear. Sound waves cause it to vibrate. The three tiny bones of the middle ear are the hammer or malleus,(5) or incus, and stapes or stirrup. These bones pick up the vibrations from the tympanic membrane and transmit them to the inner ear. The Eustachian tube of the middle ear opens into the(6) and permits air pressure to equalize between the ear and the outside air.
The inner ear is maze-like, consisting of bony and membranous structures surrounded by fluid. The semi-circular canals are fluid-filled bony (7) that help maintain our body's balance.
The cochlea is a fluid-filled,(8) structure that houses the organ of Corti, the true organ of hearing. The fluid aids in the(9) of vibrations. The organ of Corti changes the vibrations into nerve impulses that are picked up by the auditory nerve.
Sound waves are collected by the auricle or outer ear and sent to the auditory canal, tympanic membrane, ear bones and then to the cochlea where the vibrations are changed by the organ of Corti to nerve impulses and transmitted by the auditory or(10) nerve to the temporal lobe of the brain for interpretation.

E Grammar point - Indirect speech

Reported speech

1 Study the cartoons and complete the dialogues.

1 Present tense reporting



Nurse Dr Weston says she's sending a patient for observation.

We have a bed available. Ward manager Nurse The ward manager says they

Dr Weston Good, thank you. I suspect he has

concussion. The doctor says _

2 Past tense reporting

Sarah



The next day

Nurse Last night she told me she was in pain. Doctor Where did she have the pain? Nurse _a in her chest. Doctor How bad was it?

Nurse _____b unbearable. Doctor Were there any other symptoms?

Nurse __c stomach-ache as well. 3 Reporting yes / no questions



11.00

He asked if I could help him get out of bed. Nurse

Doctor I see. Did he ask for any more help?

Yes, he asked me _____ _____a get dressed. Nurse

I see, and then? Doctor

He asked me ___ _b open a bottle of Nurse

medicine.

4 Reporting wh-questions



4.00

Patient He asked me what my date of birth was.

Visitor Did he? What else did he ask you?

Patient He asked me where _____

Visitor So you told him your address. Anything else? Patient Yes, he asked me when ____

told him that I first became ill in July.