

English for Science



Science and Technology - Quiz

Fill in the gaps with the correct word.

1.	are being carried out to find a cure for cancer. Experiences Experiments Examinations Research
2.	Microscopesvery small objects many times to make them visible. magnify enhance expand increase
3.	Radio signals are now oftenby satellite. received delivered transmitted dispersed
4.	Solar power stations are able to the energy of the sun. harm maximize drive harness
5.	Other energy sources include wind and wave power. renewable recyclable returnable reusable
6.	In some types of power station steam is used toturbines. force turn reverse rotate
7.	Mercury is aat room temperature fluid liquid solid gas
8.	Hydrogen and oxygen are the two that make up water. compounds atoms molecules elements
9.	Allis composed of atoms. stuff material substance matter
10.	The of lead is greater than that of aluminium. rigidity weight density volume
11.	When water is heated itmore quickly. evaporates condenses melts solidifies
12.	The of iron and oxygen produces rust. reaction separation decomposition composition
13.	Chemists study the composition of naturalsubstances machines mixtures alloys
14.	The of water is 100°C. melting point boiling point point of condensation freezing point

Adapted from J.Harbord: *Topic-based Vocabulary*.

Properties of Matter

1. Complete th	e following te	ext.					
Clue: <mark>Below</mark>	boiling	<mark>except</mark>	fluids	highly	liquid	solid	state
Note the prepo	sition <mark>below</mark> d	and the con	nector <mark>except</mark> .				
Changes of sta	ate / form						
0°C - melting p	oint of ice.		100°C	point of	water.		
Ice is	_, water is	, ste	eam is gaseous.	Steam and wa	ter are	·	
Steam, water,	ice, oxygen, n	eon: all the	se are fluids	ice. S	Sometimes th	e properties	5
	_	_	its	· ·	-		_
183	°C, it changes	from a colo	or less gas to a b	olu ish liquid, wh	nich is	mag	netic.
2. Complete th	ne following t	ext.					
•	-		gas hand	properties	salt salty	, subs	tance
		-	Is there a conn		•		
A substance m	ay be an elem	nent, a com	pound or a mix	ture.			
An element, su	ch as copper	or iron canr	not be broken d	lown into simp	ler substance	s. When ele	ments
combine to for	rm compound	ls, there is a	a chemical reac	tion. Some	0	f the eleme	nts change
			cl				
on the other _	, is a sof	t silvery-wh	nite metal which	h reacts violent	ly with water	. However,	if these
elements comb	oine, they	sodium	n chloride, or	This is a h	narmless whi	te	·
A mixture of a	sand and salt	is yellow ish	-white and it ta	astes both	and gritty.	If we put th	e mixture in
water, the salt	will dissolve ,	because it i	is soluble , but t	he sand will no	t,	because it	is insoluble .
3. Answer thes	e auestions:						
1. What is the I	•	of oxvaen?					
2. Are sodium o							
			npound and a <u>n</u>	nixture?			
			<u></u>	 -			
4. Choose the i	right word in	a sentence:	•				
a) A conductive	e / conductivit	y material	can be used to	conduct electr	icity.		
b) If a material	is easy to stre	etch under s	stress, we call it	elastic / elasti	city.		
c) If you want t	o improve du	rable / dura	ability of a macl	nine, clean it re	gularly.		
d) Hard / hardr	ness is an imp	ortant prop	erty of steel.				
e) Concrete is (used for buildi	ing because	of its strong /	strength.			
5. Word forma	tion: Form th	e nouns.					
Soft, de	ер	, long	, wide	9	, dissolve		
6. Discuss thes	e questions in	pairs:					
1. What is your	· favourite ma	terial for cl	othing? Do you	prefer natural	or synthetic r	materials? V	Vhy?
-	al are you we				-		•
	•		naterials? (e.g. (Gore-tex)? Whi	ch ones? Wh	ere are they	used?
•			tional materials	· ·		•	
		_	originally made		erials and nov	w are made	of plastics.
Why are plas	stics now used	? Are ther	e any disadvant	tages?			

7. Form nouns of some properties of materials. Note the stressed syllables in **bold type**.

	Adjective	Noun	Verb
pružnost	elastic (stress on the 2nd)	elas ti city (stress on the 3rd)	
křehkost (nepružnost)	brittle (rocks, bones, glass)	brittle	
křehkost (ztráta síly)	fragile [frædžail]	fra gility [frə'džiliti]	
lack of solidity/strenth	(bones, glass)		
síla	strong	str	
tuhost (neohebnost)	rigid	rigid	
tažnost, kujnost	malle <mark>able</mark> [mæliəbl],ductile	malle <mark>abilit</mark> y ['biliti]	
plastičnost, tvárnost	ductile	duc ti l	
vodivost	con duc tive	conduc ti v	
žáruvzdornost	heat-re sis tant	heat-re sis tan	
zápalnost, hořlavost	com bus tible	combusti b	com bust
vznětlivost	(in) flam mable, zápor=non-!	(in)flamma b	in fla me [ei]
zápalnost	ignitable [ig´naitəbl],	ignita bi lity [igʻnaitə'biliti]	ig ni te [ig´nait]
	igneous rocks (vyvřelé)	ig ni tion (zážeh)	
jedovatost, toxicita	toxic	toxic	
reaktivita	re a ctive	reactiv	re act
netečnost	inert	inert	
lehkost	light	light	
těžkost	heav <mark>y</mark>	heav	
savost, absorpčnost	ab sor bent	ab sor bency	
viskozita, lepkavost	viscous	vis co s	
hustota	dense	dens	
trvanlivost, odolnost	durable	dura b	
odolnost proti korozi	corrosion re sis tant	corrosion re sis tan	

8. Complete the following text.

Clue: brittle	opaqu	<i>e</i> [əu´peik]	rough[raf]	soft	transparent
translucent	flexible	hard	while		
Is there a conne	ector?				
Properties of n	<u>natter</u>				
A breakable ma	iterial is	or fragi	le; but if it does not break	easily, it is toug l	h[taf] .
1 A	material is diffi	cult to scratch,	whereas a mate	rial is easy to scra	atch.
A	material	bends easily, e.	g. rubber, a r	igid material doe	es not bend easily.
Some materials	produce little	friction when th	ney are rubbed - they hav	e smooth surface	2.
Other materials	s have a	surface a	nd produce a lot of frictio	n; e.g. sandpaper	·.
You can see thr	ough	mat	erials such as water. You	cannot see throu	gh
materials, such	as dirty water,	but light passe	s through them.		
You cannot see through glass or other materials and the light cannot pass through the					ass through them.
Combustible m	aterials burn e	asily. If gasses b	ourn easily, they are (in)fla	ammable[in´flæn	nəbl].
Some people al	so have an infl	ammable temp	er. Phosphorus is self- igni	table in the light.	
Task: Note and	marker the key	verbs.			