

Week 5 - PROPERTIES OF MATERIALS - Key

7. Listening:

Listen to some properties of materials. Make notes in the form of a table.

From *Nucleus of General Science*. Unit 1, Listening Practice 2.

	material	property	verbal structure
<i>Example:</i>	<i>salt</i>	<i>soluble</i>	<i>dissolves easily</i>
	glass	hard	difficult to scratch
		rigid	it doesn't bend easily
		transparent	you can see through it
		brittle	
	wood	soft	easy to scratch and to cut
		combustible	it burns easily
	stone and concrete	non-combustible	

Listening Transcript

Glass has many useful properties. For example, it is hard, difficult to scratch, it is rigid, it doesn't bend easily and it is transparent – you can see through it. But glass is not a tough material, in fact it is very brittle. Sometimes glass is made specially tough, and this glass is used for example in car windows. Unlike glass, wood is a soft material. It is easy to scratch wood and to cut it. Wood is a good material for building, but it is combustible – it burns easily. It is therefore more dangerous than other building materials, which are non-combustible – for example stone and concrete.

9. Some other properties of materials. Form adjectives from these nouns.

Czech translation	Noun	Adjective
a) pružnost	<i>elasticity</i>	<i>elastic</i>
b) křehkost	fragility	fragile
c) tažnost	malleability	malleable
d) kujnost	ductility	ductile
e) vodivost	conductivity	conductive
f) žáruvzdornost	heat-resistance	heat-resistant
g) zápalnost	flammability	flammable
h) jedovatost, toxicita	toxicity	toxic
i) reaktivita	reactivity	reactive
j) netečnost	inertness	inert
k) lehkost	lightness	light
l) těžkost	heaviness	heavy
m) savost, absorpčnost	absorbency	absorbent
n) viskozita, lepkavost	viscosity	viscous
o) hustota	density	dense
p) trvanlivost, odolnost	durability	durable
q) odolnost proti korozi	corrosion resistance	corrosion resistant
r) síla	strength	strong

10. Choose the right word in a sentence:

- a) A **conductive** / conductivity material can be used to conduct electricity.
- b) If a material is easy to stretch under stress, we call it **elastic** / elasticity.
- c) If you want to improve durable / **durability** of a machine, clean it regularly.
- d) Hard / **hardness** is an important property of steel.
- e) Concrete is used for building because it is **strong** / strength.