

## Science Subject Knowledge Bank Year 1: Everyday Materials







<u>Vocabulary</u>	<u>Definition</u>
<b>Hard/soft</b>	Firm or solid/not firm or solid
<b>Stretchy/stiff</b>	Can be pulled/can't be
<b>Shiny/dull</b>	Smooth and polished/ lacks brightness
<b>Rough/smooth</b>	Uneven and bumpy/even and not bumpy
<b>Bendy</b>	Can be folded
<b>Waterproof</b>	Keeps water out
<b>Absorbent</b>	Soaks water up
<b>See through</b>	Can be seen through








### What is the difference between an object and the material it is made out of?

- Objects are things that you can touch or see.
- Objects are made from materials.
- E.g. The object is a key and it is made from metal. The object is a spoon and it is made from wood.

### What are the different properties of materials?

- Smooth/rough- Smooth objects have no lumps or bumps. Rough- objects feels and look uneven or bumpy.
- Bendy (floppy) - Bendy things can be folded easily. Not bendy (stiff) - If something is not bendy, it can't be folded easily.
- Waterproof- If something is waterproof, it keeps water out. It keeps things dry. Not waterproof- Not waterproof materials let water in.
- Absorbent- If something is absorbent, it soaks water up. Not absorbent- If something is not absorbent, it does not soak up water.
- See-through (transparent) - Transparent objects can be seen through. Not see-through (opaque)

Properties of Materials					
Metal	Glass	Wood	Plastic	Fabric	Paper
					
<ul style="list-style-type: none"> <li>• hard</li> <li>• strong</li> <li>• shiny</li> </ul>	<ul style="list-style-type: none"> <li>• transparent</li> <li>• smooth</li> <li>• stiff</li> </ul>	<ul style="list-style-type: none"> <li>• hard</li> <li>• strong</li> <li>• stiff</li> </ul>	<ul style="list-style-type: none"> <li>• strong</li> <li>• shiny</li> <li>• bendy</li> </ul>	<ul style="list-style-type: none"> <li>• soft</li> <li>• bendy</li> <li>• opaque</li> </ul>	<ul style="list-style-type: none"> <li>• absorbent</li> <li>• dull</li> <li>• smooth</li> </ul>

Which materials are some objects made from?	 glass  metal  rock  plastic  wood
	 water  brick  paper  fabrics  elastic  foil

What words can I use to describe materials?	 transparent  waterproof  opaque  stiff
	 soft  shiny  rough  absorbent  bright
	 bendy  stretchy  hard  smooth  dull