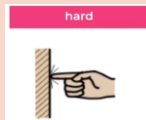




Common properties of materials

Hard

Not easily broken



Soft

Easy to cut, fold or change shape



Stretchy

Can be made longer or wider without breaking

Stiff

Doesn't change shape easily

Rough

Has an uneven surface

Smooth

An even surface with no lumps or bumps

Bendy

Can be bent easily



Not bendy

Can't be bent easily

Waterproof

Keeps out water



Not waterproof

Let's water in

Absorbent

Soaks up liquid easily



Not absorbent

Doesn't soak up water easily

Transparent

Able to see through it easily



Opaque

Not able to see through



Shiny



Material		Properties
Wood		Hard. Strong, stiff
Glass		Transparent, smooth, stiff
Metal		Hard. Strong, stiff, shiny
Plastic		Strong, Shiny, bendy
Water		Runny, wet, clear
Rock / brick		Hard, Strong, rough / smooth
Paper/ Card		Smooth / bendy
Rubber		Stretchy / dull/ waterproof/
Fur/ cotton / wool		Smooth, soft

Key Knowledge

- Objects are made from different materials.
- Materials can make lots of different things
- Materials are chosen for a specific purpose.
- Some objects use more than one material
- Objects can be sorted based on materials or their properties.
- Some properties can be investigated to test the materials suitability i.e waterproof. – Make an umbrella.
- We are all scientists