






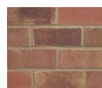









Knowledge Organiser Science Year 5 Properties and changes of materials

Key Vocabulary	
Absorbent	Able to soak up liquid easily
Electrical conductor	Allows electricity to pass through
Electrical insulator	Does not allow electricity to pass through
Flexible	Bends easily without breaking
Opaque	Not clear. Blocks light so that none gets through
Property	A characteristic of a material that can be observed
Non-reflective	Does not reflect light
Reflective	Reflects light
Rigid	Unable to bend or be forced out of shape
Transparent	Clear, see-through, lets light pass through
Translucent	Almost see through, lets some light through
Waterproof	Does not let water pass through it

Materials	
Natural	Manufactured
<p>A natural material is a product that comes from plants, animals, or the ground</p> 	<p>A manufactured material is made from natural materials using chemical processes</p> 

Material	Properties	Uses
wood 	opaque hard strong	table 
metal 	shiny smooth reflective	fork 
plastic 	waterproof bendy translucent	water bottle 
glass 	transparent waterproof hard	window 
brick 	hard rough dull	wall 
rock 	strong hard rigid	fireplace 
paper 	tears easily translucent flexible	book 
cardboard 	dull non-reflective opaque	boxes 
fabric 	flexible Soft absorbent	clothes 