

Knowledge Organiser
Science - Materials

What is a material?

A material is anything that something can be made from.

Different types of materials	Words to describe materials	
• wood	hard	soft
• plastic	stretchy	stiff
• glass	shiny	dull
• metal	rough	smooth
• water	bendy	not bendy
• brick	waterproof The material repels water	or not waterproof The material soaks up water
• paper	absorbent The material will take up water	not absorbent Does not soak up water
• fabric		
• elastic - a material that can stretch		
• foil	opaque You cannot see through the material	transparent The material is see through

Materials can change shape by:

squashing



Bending



twisting



stretching



Which materials do we use?

Would you make a teapot out of chocolate?

Would you use elastic bands or newspaper to make a bouncy ball?

