

Highwood School—Year 2—Autumn 1—Everyday Materials

Materials all have different properties. This means that some are able to change shape and stay changed (like the plasticine). Other materials can change shape temporarily but will go back to their original shape (like the sponge), and some materials cannot change shape at all (like the stone).



changes shape and stays changed



changes shape temporarily but goes back to original shape



cannot change shape

When objects are made, people decide what materials to make them from. They choose the material because of its properties. Can you remember some properties of materials? Here are some:

hard	soft
stretchy	stiff
shiny	dull
rough	smooth
bendy	not bendy
waterproof	not waterproof
absorbent	not absorbent
opaque	transparent



For example, furniture is often made from wood because it is strong and hard and when it is polished it becomes smooth and shiny.

Glossary

property - a characteristic of a material e.g. hard, bendy, shiny etc.

group - materials can be placed in groups based on their properties e.g. wood, metal, glass etc

changing materials e.g. squash, bend, twist, stretch, heat, cool, freeze, melt, boil

natural - when a material is used in its raw state e.g. wooden door

manufactured - when a raw material is made into a new one e.g. wood into paper

Some ways of changing materials;



We can **freeze** fruit juice to make lollies.



We can **boil** water.



We can **toast** or **fry** our bread.



We can **burn** wood.



We can **rip**, **tear** and **cut** our clothes.

Which of these materials do you think is the odd one out and why?



stone



wood



chalk



wool



silk



plastic