Marvellous Materials

Everyday materials

Materials are what objects are made from. Examples of materials include glass, wood, fabric, plastic, stone and metal.



*This vase is made from **glass.***



*This table is made from **wood.***



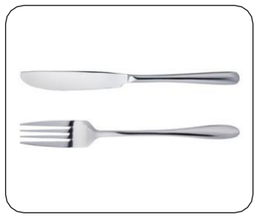
*This T-shirt is made from **fabric.***



*This toy is made from **plastic.***



*This statue is made from **stone.***



*This cutlery is made from **metal.***

Properties of materials

A property is a quality that a material has. Materials can be described by their properties, such as hard, soft, stretchy, bendy, transparent and waterproof.



*A paper kitchen towel is **soft** and absorbent.*



*A plastic toy is **hard** and **smooth.***



*Rubber wellies are **waterproof** and **bendy.***



*A ceramic mug is **hard** and **waterproof.***



*A metal pan is **smooth** and shiny.*



*A cotton T-shirt is **soft** and **stretchy.***



*A glass window is **hard** and **transparent.***

A safety helmet is made from a plastic that is hard.

Cling film is made from a plastic that is bendy.





Comparing and grouping materials

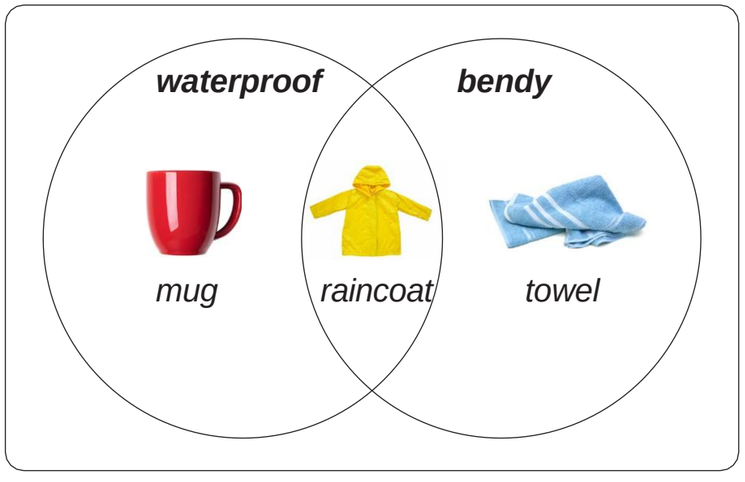
*Objects and materials can be compared and put into groups according to their similarities, differences or **properties.***

These objects have been put into a group. They are all similar because they are made from fabric and are soft and bendy.



Venn diagrams

*A **Venn diagram** is a way of grouping information or objects using overlapping circles. It can be used to group objects according to their properties to find their similarities and differences.*



*This **Venn diagram** shows that the ceramic mug is waterproof but not bendy. The fabric towel is bendy but not waterproof. The plastic raincoat is **waterproof and bendy.***

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