

Key knowledge

- Materials can be used for more than one thing because of their properties e.g. metal can be used for coins, cars and table legs because it is strong.

- Different materials have different properties, which make them suitable for different purposes.

waterproof absorbent flexible

translucent transparent opaque

stretchy shiny dull strong


hard soft rough smooth

materials properties uses

materials

opaque


cannot be seen through



She is hidden by the opaque screen.

translucent

allowing some light to pass through



The screen is translucent.

transparent


can be seen through




This glass is transparent.

- Some materials can be changed by squashing, stretching, bending or twisting.


Squashing, Bending, Twisting and Stretching




Squash an object by pushing both hands together.



Bend an object by grabbing both ends of the object and bringing the ends inwards together.



Twist an object by turning your hands in opposite directions.



Stretch an object by pulling your hands slowly and gently apart.