

What do you know? Science Materials



Year 1 and Year 2

Identify and name a range of materials (wood, plastic, glass, metal, water and rock)

Describe physical properties of some everyday materials

Group together some everyday materials based on their properties

Know the uses of different everyday materials (wood, metal, plastic, glass, rock, brick, paper, cardboard)

Group together some everyday materials based on their uses

Know and name some solid objects that can be changed by squashing, bending, twisting and stretching

Year 3 and Year 4

Know what is meant by solids, liquids and gases and group some materials according to this

Know that some materials change state when they are heated or cooled

Know that the rate of evaporation is affected by the temperature

Know the part played by evaporation and condensation in the water cycle

Year 5

Know how to group everyday materials based on their properties (including their hardness, solubility, transparency, conductivity (*electrical and thermal*) and response to magnets)

Know that some materials will dissolve in liquid to form a solution and how to recover a substance from a solution

Know how mixtures might be separated through filtering, sieving and evaporating (depending on whether they are a solid, liquid, or gas)

Know what is meant by reversible and irreversible changes and give some examples

Year 6