



Science Year 5: Properties And Changes Of Materials

Subject Specific Vocabulary

Key knowledge that I will know by the end of this unit.

reversible change

When materials can be changed back to how they were before the reaction took place.

irreversible change

When materials cannot be changed back to how they were as new materials have been formed.

filtration

The action or process of filtering something.

particles

A minute portion of matter.

dissolve

A solid mixes with a liquid to make a solution.

solution

A mixture where one of the substances dissolves in the other.

soluble/insoluble

The ability to be dissolved/cannot be dissolved.

conductor

A material that allows heat (thermal) or electricity (electrical) to pass through it easily.

evaporation

The process of turning a liquid into a gas.

magnetic

Ability to attract a magnet.

Everyday materials can be grouped and compared according to their properties such as conductivity, solubility and magnetic properties. Some materials will dissolve in a liquid to form a solution. They can be recovered using filtration.

Materials can also be separated using sieving and evaporation.

A reversible change is where it is possible to return a material back to how it was before the change.

An irreversible change is when it is not possible to return a material back to how it was before the change because a new material has been formed.

Everyday materials have particular uses linked to their properties.