

Permeable

A material that allows liquid or gas to pass through it. For example, sponge is permeable as it allows water to pass through it.



Solution

A solution is a liquid mixture in which the solute (e.g. salt in water) is evenly distributed across a solvent (water itself). Example of solutions are coffee.



Filtration

A filter is a device used to remove unwanted parts from something. For example, removing solid particles from a liquid.



Evaporate

When a liquid evaporates it changes state to become a gas. Evaporation is easiest to see when you boil water as you can see the steam coming from the kettle.



Conductor

Some materials are good conductors of **heat**.

This means heat can travel through them easily. Some materials are good conductors of **electricity**. This means electricity can travel through them easily.



Examples of these materials include many metals, such as iron, steel, copper, and aluminium.

Insulator

Some materials are insulators of heat. This means they do not allow heat to travel through them very easily.

Some materials are insulators of electricity. This means that electricity cannot travel through them. **Wood, plastic, and many fabrics, such as wool and cotton, are good thermal insulators.**

