

Materials

Key Vocabulary

Conductor - A material or device which allows heat or electricity to carry through

Dissolve - When something solid mixes with a liquid and becomes part of the liquid

Evaporation - The process of turning from liquid to vapour

Flexible - Capable of bending easily without breaking

Gas - An air-like fluid substance which expands freely to fill any space available

Insulator - A substance which does not readily allow the passage of heat or sound

Irreversible - Cannot be reversed back to its original state

Liquid - A substance that flows freely but can be measured by volume e.g. water or oil

Magnetic - Capable of being magnetised or attracted by a magnet

Material - The matter from which a thing is or can be made from

Opaque - Not able to be seen through, not transparent

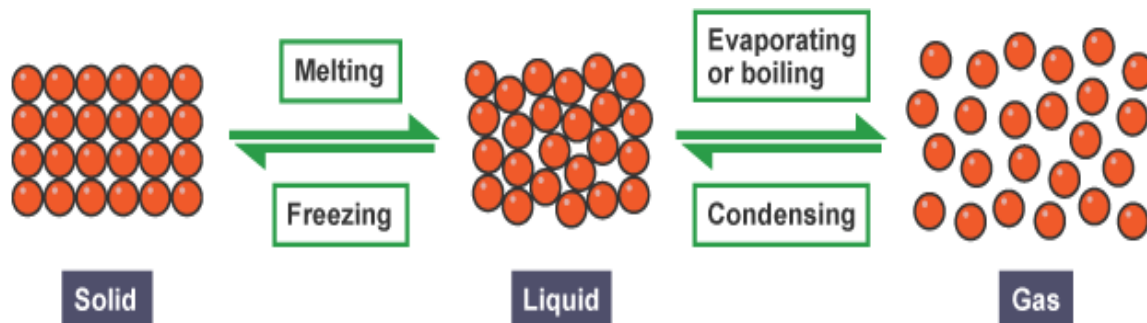
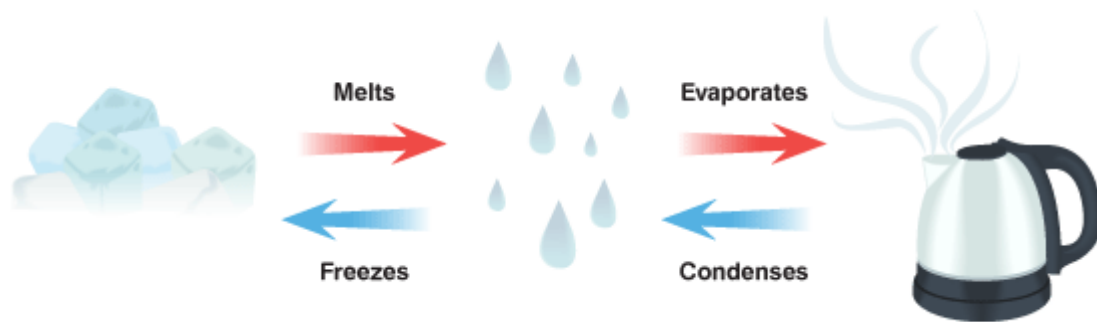
Reversible - Able to be reversed back to its original state

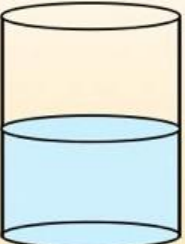
Solid - Firm and stable in shape, not a liquid or fluid

Soluble - Able to be dissolved, especially in water

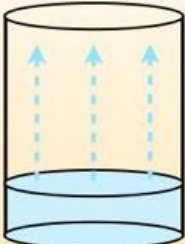
Thermal - Relating to heat

Transparent - Allows light to pass through so that objects behind can be seen





Sugar dissolves in the water making a sugar solution. You cannot see the sugar but it is still there in tiny particles.



The water evaporates. This means that it becomes water vapour. The process will be quicker if the water is heated.



Once all the water has evaporated, the sugar is left at the bottom of the beaker. This is because sugar cannot evaporate.