

Vocabulary

Boiling	A liquid bubbles and turns to vapour by heating.
Melting	Turning a solid to a liquid by heating it.
Evaporation	Turning from liquid to vapour.
Condensation	Water vapour turns to liquid.
Precipitation	To rain, snow or sleet.
Solidify	To become a solid.
Water Vapour	Water in the form of a gas.
Melting Point	The temperature a solid will melt.
Freezing Point	The temperature a liquid will freeze.
Boiling Point	The temperature a liquid will boil and turn to vapour.



In A State

What I need to know:

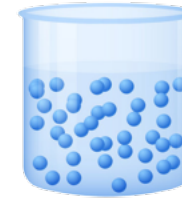
Solid

- Solids hold their shape under normal conditions but can be altered when a large force is applied.
- When a solid is heated, it melts into a liquid.



Liquid

- A liquid can be poured and will spread out.
- Some liquids flow so slowly, you cannot see them moving.
- The surface of a liquid remains horizontal when the container is tipped.
- When a liquid is cooled, it freezes into a solid.

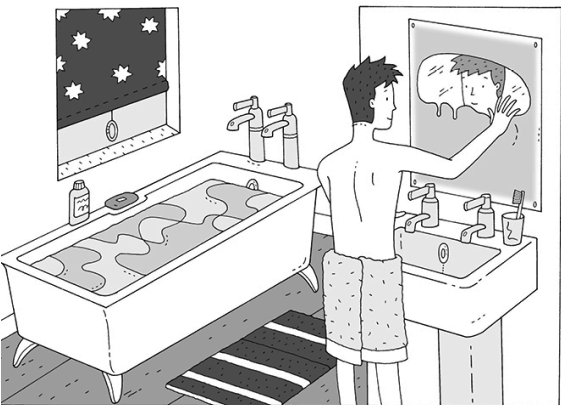


Gas

- Gases spread out completely to fill the space they are in.
- Air is a gas that cannot be seen but is all around us.

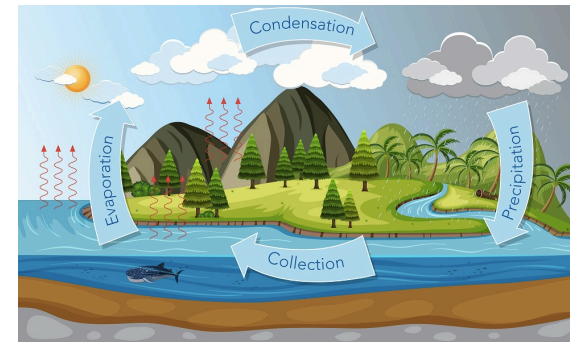


CHANGES OF STATE



- As solids and liquids are states of matter, melting and freezing are changes of state.
- Different materials have different melting points.
- Ice melts at temperatures above 0 degrees.
- Water evaporates at 100 degrees Celsius.
- Water and ice are the same material but in a different state.
- Steam is the invisible gas produced by boiling water, the cloud you see is water droplets.

The Water Cycle



- Liquids change into a gas when they evaporate.
- The higher the temperature, the quicker it evaporates.
- The more liquid, the longer it takes to evaporate.
- When water evaporates, it turns into water vapour in the air. In summer, if this condensates, it will rain. In winter, if this freezes quickly, it turns to snow.