Key Vocabulary

Change of state - when a material changes from one state to another.

Melting – a solid changing into a liquid. freezing When a liquid becomes cold enough to turn solid, it freezes.

Melting point - the temperature at which a solid becomes a liquid.

Boiling point - the temperature at which a liquid turns into a gas.

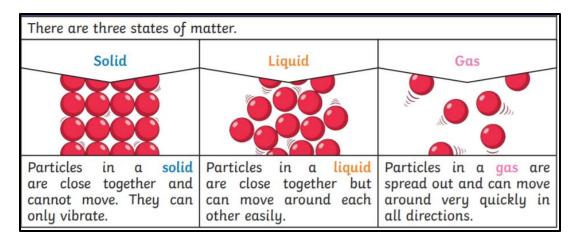
Evaporation - when liquid changes into a gas.

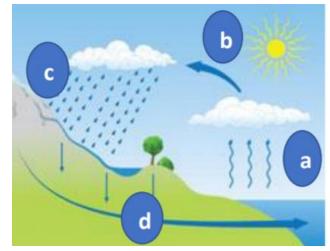
Condensation - the process when a gas changes into a liquid, caused by cooling.

Water cycle - the never-ending process of water moving from the oceans, up into the atmosphere, and back to the Earth and oceans.

Temperature - the measure of how hot or cold something is.

Year 4 States of matter





Melting and freezing



Melting is a change of state from solid to liquid. The melting point of water is 0°C.

Freezing is a change of state from liquid to solid. The freezing point of water is 0°C.

Boiling is a change of state from liquid to gas. Water boils when it is heated to 100°C.



Evaporation and condensation

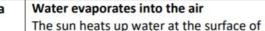


Evaporating puddles Evaporation is the change from a liquid to a gas at the surface of the liquid.



Condensation in the bathroom

Condensation is the change from a gas to a liquid, caused by cooling.



seas, rivers, lakes and turns it into water vapour. The water vapour rises into the air.

- Water vapour condenses into clouds Water vapour in the air cools and changes back into tiny drops of liquid water, forming clouds.
- when too much water has condensed the water droplets in the clouds get too heavy and water falls back down to Earth in the form of rain, snow, sleet etc. This is called precipitation.
- d Water returns to the sea.

 Rainwater runs over the land and collects

in lakes or rivers which take it back to the sea.

The cycle starts all over again

