

## What should I already know?




- There are 3 different states of matter.
- Water exists in different forms.
- We can change the form of water by doing different things to it.
- We can measure temperature using a thermometer.

## Key Vocabulary

<b>States of matter</b>	The ways that something can exist. It can either be solid, liquid or gas.
<b>Particles</b>	A tiny portion of matter. All things are made up of particles
<b>Temperature</b>	The amount of heat present in something measured in Celsius.
<b>Water Cycle</b>	The processes by which water circulates between land, oceans and air.

## Changing between states of matter

<b>Melting</b>	The process of changing a solid into a liquid. E.g. Ice melting into water.
<b>Evaporation</b>	The process of changing a liquid into a gas. E.g. Water boiling and turning to steam.
<b>Condensation</b>	The process of changing a gas into a liquid. E.g. Steam cooling and turning back into water.
<b>Freezing</b>	The process of changing a liquid into a solid. E.g. water freezing and turning to ice.

<b>Solid</b>		A solid can hold its shape for example, water in solid form is ice. Particles are tightly packed together.
<b>Liquid</b>		A liquid flows or runs and it can't be squeezed or stretched. Particles are not as closely packed and can move more freely.
<b>Gas</b>		A gas can flow, and does not have a fixed shape. Particles are widely spaced apart and move around very freely.

Temperature falling

condensation

Gas



Liquid



Solid

Temperature rising

evaporation



melting



## Water Cycle

**Transpiration** - the process of water leaving plants by evaporation.

**Precipitation** - the process where water vapour/moisture falls from clouds in the form of rain, sleet or snow.

