

**What I already know:**

- 1 How to use a material's properties to describe it.
- 2 That properties of different material cause them to behave differently.
- 3 Heating and cooling causes some materials to change.

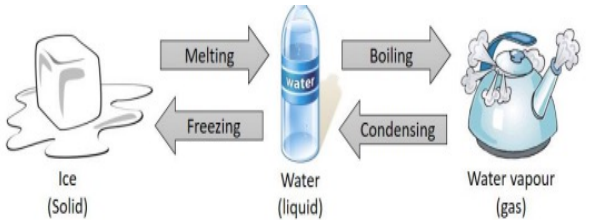
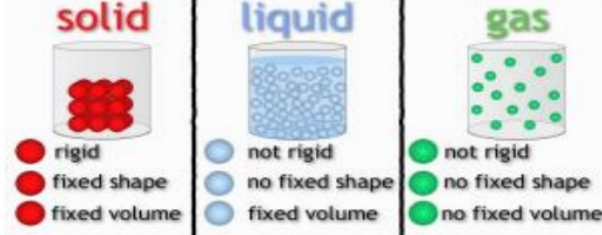
**What I will learn**

- 1 To compare and group materials together, according to whether they are solids, liquids or gases.
- 2 To observe that some materials change state when they are heated or cooled and measure the temperature at which this happens in degrees Celsius (°C).
- 3 To identify the part played by evaporation and condensation in the water cycle

**Key Vocabulary**

<b>solid</b>	A substance that stays the same shape whether it is in a container or not.
<b>liquid</b>	A substance that can flow and take on the shape of a container.
<b>gas</b>	A substance that has no fixed shape, like oxygen.
<b>state change</b>	When a material changes from one material type to another.
<b>melting point</b>	The temperature at which a solid melts.
<b>boiling point</b>	The temperature at which a liquid boils.
<b>evaporation</b>	The process of a liquid heating and changing into a gas.
<b>condensation</b>	The process of a gas cooling and changing into a liquid.
<b>temperature</b>	How hot or cold something is. Measured in degrees Celsius (°C).
<b>water cycle</b>	Water on Earth is constantly moving. It is recycled over and over again. This is called the Water Cycle.

**States of matter**



**Working Scientifically Skills:**

**Set up** simple practical enquiries, comparative and fair tests.

**Make** systematic and careful observations and, where appropriate, take accurate measurements using thermometers.

**Report** on findings from enquiries, including oral and written explanations, presentations of results and conclusions.

**Use results** to draw simple conclusions, make predictions, suggest improvements and raise further questions.

**Scientists/Inventors:**

<b>Anders Celsius</b> (1701-1744)	Astronomer who invented the degrees Celsius temperature scale.
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