



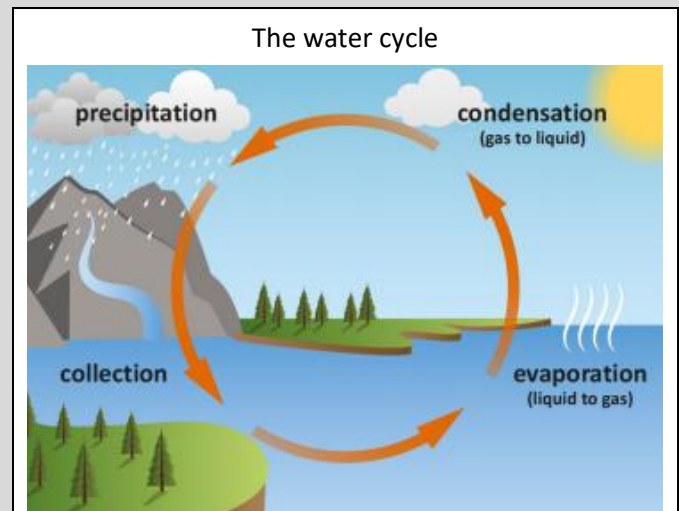
### Key knowledge:

Grouping materials	
Materials fall into three categories	<ul style="list-style-type: none"> <li>• Solids</li> <li>• Liquids</li> <li>• Gasses</li> </ul>
Solids	<p>Solids stay in one place and can be held.</p> <p>Most solids keep their shape.</p> <p>They do not flow like liquids (Some solids like sand or salt can be poured).</p> <p>Solids always take up the same amount of space.</p> <p>They do not spread out like gases.</p>
Liquids	<p>Liquids can flow or be poured easily.</p> <p>They are not easy to hold.</p> <p>Liquids change their shape depending on the container they are in.</p>
Gasses	<p>Gases are often invisible.</p> <p>They do not keep their shape.</p> <p>They spread out and change their shape and volume to fill up whatever container they are in.</p>
Stages of the water cycle	
Evaporation	The sun heats up water on land, in rivers, in lakes and in the sea and turns it into water vapour. The water vapour rises into the air.
Condensation	Water vapour cools down in the air and changes back into tiny drops of liquid water, forming clouds.
Precipitation	The clouds get very heavy and water falls back to earth in the form of rain and snow.
Collection	Rain water runs over the land and collects in lakes or rivers, which takes the water back to the sea. The cycle then starts all over again.

### Key vocabulary:

Temperature	How hot or cold an object is
Degrees	The scale for measuring temperature
Celsius	

### Diagrams:



### Changing state of matter

What	Explanation	Name of process	Example
Solid to Liquid	When a solid melts it changes to a liquid.	Melting	When an ice cube melts.
Liquid to Gas	A liquid evaporates into a gas when it is heated.	Evaporation	When water on a roof is warmed up and turns to steam.
Gas to Liquid	When a gas it cooled it condenses into a liquid.	Condensation	When steam from the shower cools on the mirror it turns to water.
Liquid to Solid	When a liquid freezes it turns into a solid.	Freezing	When the water in a pond freezes, it turns to ice.

### Possible experiences:

Melting different types of chocolate. Do any melt quicker or slower?

Use melting and freezing to create bath bombs.

Create a water cycle in a bowl.

### Key concepts:

Grouping	Observing
Comparing	Identifying