

Chemistry: States of Matter

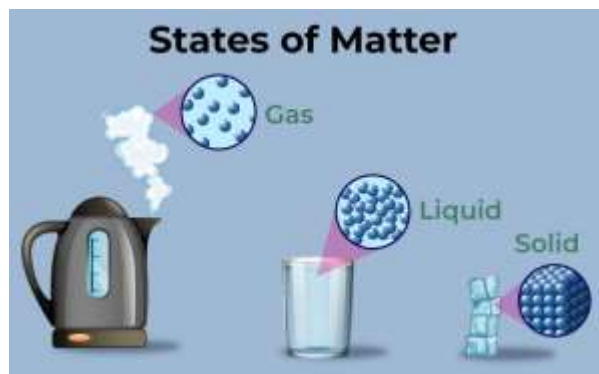
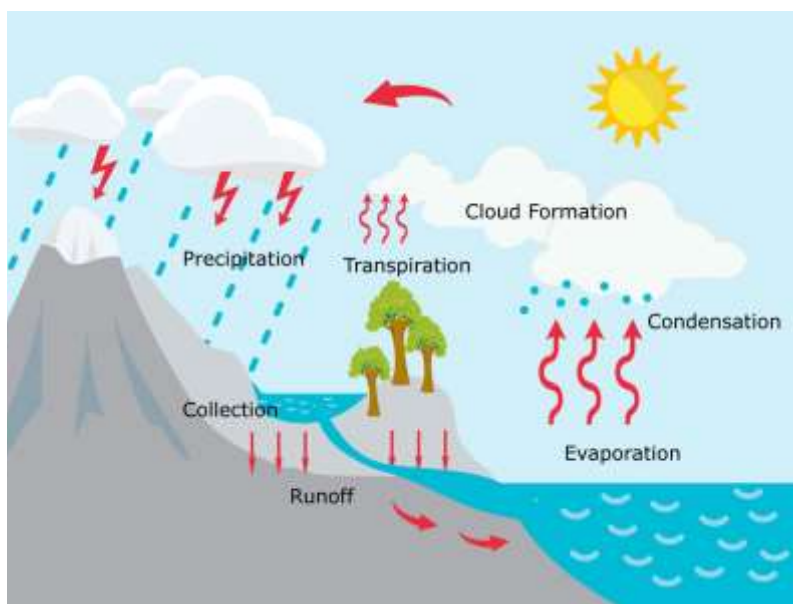
What should I already know?

- Things take different forms such as liquids and solids.
- That ice melts or water can be frozen.
- What a temperature is and that a thermometer can be used to show it.

What am I going to learn?

- That there are three states of matter: solid, liquid and gas.
- That some materials change state when they are heated or cooled.
- About the water cycle and the part played by evaporation and condensation in this process.

Vocabulary	
Solid	Hard or firm, keeping a clear shape.
Liquid	A substance that can be poured.
Gas	A substance that has no fixed shape or volume.
States of Matter	Solids, liquids and gases are the three states of matter.
Evaporation	When a liquid changes to a gas, especially by heating.
Condensation	When a gas changes to a liquid as a result of cooling.
Water Cycle	The process of water being recycled over and over again.



Enquiry Types	Observing changes over time	Pattern Seeking	Identifying, Grouping and Classifying	Fair Testing	Research	Problem Solving
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Connecting Concepts

<p>Identify, group and classify</p>	<p>Plan/perform investigations</p>	<p>Observe</p>	<p>Record and report data</p>	<p>Interpret and communicate results</p>
I can group and classify a variety of materials based on whether they are solids, liquids or gases.	I will observe evaporation over a period of time, investigate the effect of temperature and record regular data about the quantity of water remaining at regular intervals. I will investigate the temperature at which a material changes state and interpret the results from my investigations.			