

STATES OF MATTER



CHEMISTRY

Year 4

National Curriculum Objective

Compare and group materials together, according to whether they are solids, liquids or gases.

Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius ($^{\circ}\text{C}$).

Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.

Key Vocabulary

prediction	matter	solid
investigate	particles	liquid
fair test	condensation	gas
experiment	evaporation	temperature
method	state	heating
equipment	material	cooling

Substantive - Subject Knowledge Bigger Picture - Support words

Glossary

evaporation	
condensation	

<u>Question driven outcomes for knowledge:</u>	Pupil	Teacher
How can we compare and group together materials according to whether they are solid, liquids or gases?		
How can heating and cooling cause a change of state?		
How does temperature impact the rate of evaporation and how can we take measurements to observe the change?		
What is the impact of condensation and evaporation in the water cycle?		