

Tier 3 Vocabulary

boiling point	the temperature at which a liquid turns into a gas
boiling	when a material reaches a temperature when it bubbles and turns into a gas quickly
condensing	the process when a gas turns into a liquid
gas	a state of a material when it fills the entire space available
irreversible	when something cannot go back to the way it was before
liquid	a state of a material when it can flow from one place to another, and can be poured
matter	another name for 'material'
material	what an object is made of (not just fabric)
melting point	the temperature at which a solid melts
precipitation	another word for rain
reversible	when something can go back to the way it was before
solid	a state of a material when it cannot change shape, but holds the shape of whatever container it was frozen in
systematic	when something is done in a planned way
temperature	a measurement of how hot or cold something is
thermometer	a device or instrument used to measure temperature
water cycle	how water moves around to create clouds, rain and the weather

Working and thinking scientifically

We are being scientists by:

- sorting objects into solids, liquids and gases.
- making systematic observations and measurements
- asking questions and carrying out a fair test.
- using our data to draw conclusions about chocolate melting.
- explaining our results, e.g. differences, similarities and changes related to changes in state, solid to liquid.
- carrying out fair and comparative tests and recording what happens
- explaining our results about scientific processes

Key Facts

There are 3 states of matter which are called	solids, liquids and gases
The temperature that ice melts at is:	above 0 degrees C
A solid becomes a liquid when:	it heats up
The temperature that water freezes at is:	0 degrees C
When a liquid changes to a solid, the process is called:	freezing
When a solid changes to a liquid the process is called:	melting
The processes of melting and freezing are:	reversible
The process of a liquid turning into a gas is called:	evaporation
The process of a gas turning into a liquid is called:	condensation
The processes of condensation and melting are:	reversible

Pictures and Diagrams

