

**What should I already know?**

I know the difference between an object and the material from which it is made.

I can describe, compare and group materials according to their physical properties.

I know how the shape of solid objects can be changed.

**Enquiry Question**

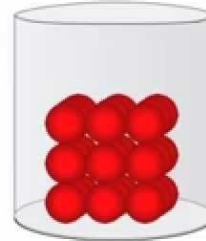
How does the temperature of the water affect the time it takes for ice to melt?

**Vocabulary**

Solid	a state of matter with a fixed shape and a fixed volume
Liquid	a state of matter with no fixed shape but a fixed volume
Gas	a state of matter with no fixed shape and no fixed volume
Volume	the amount of space a solid, liquid or a gas takes up
Evaporation	the change of state from a liquid to a gas, which happens slowly from the surface of the liquid
Freezing	the change of state from a liquid to a solid
Melting	the change of state from a solid to a liquid
Boiling	the change of state from a liquid to a gas, which happens quickly when heated and creates bubbles of the gas
Condensation	the change of state from a gas to a liquid
Precipitation	solid or liquid water that falls from the atmosphere, in the form of rain, hail, sleet or snow
Water cycle	the processes which recycle and move water around Earth

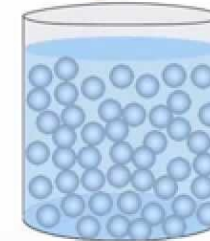
**Solid, liquid and Gas**

Matter is the stuff that makes up our planet and the whole universe. All matter exists in three states; solids, liquids and gases. Matter can change state depending on its temperature.

**solid**

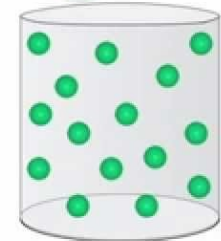
- rigid
- fixed shape
- fixed volume

cannot be squashed

**liquid**

- not rigid
- no fixed shape
- fixed volume

cannot be squashed

**gas**

- not rigid
- no fixed shape
- no fixed volume

can be squashed

