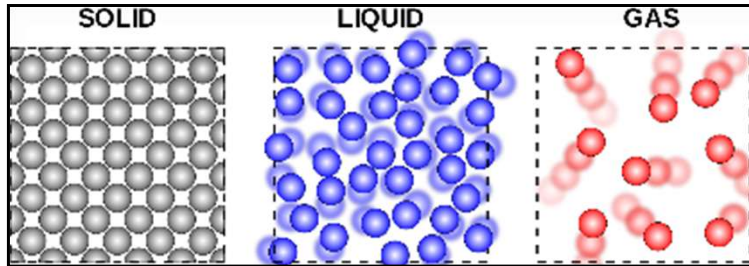


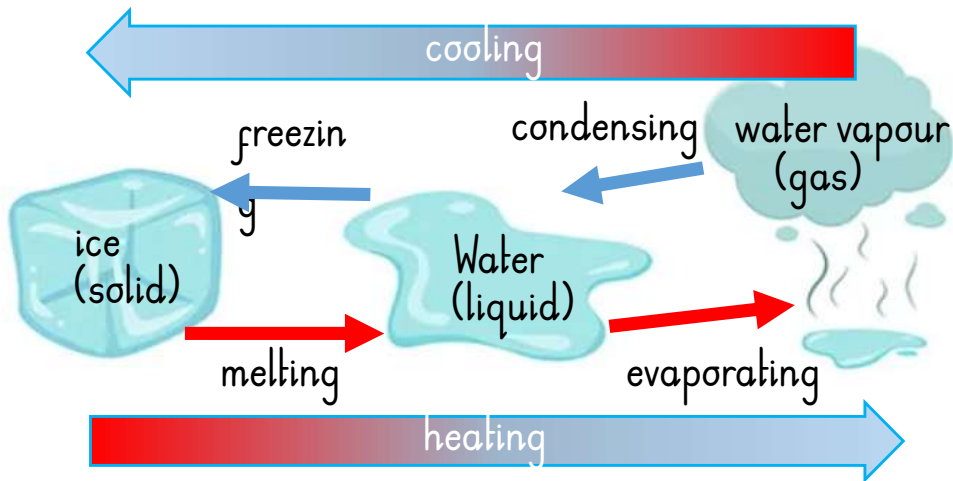
Year 4 – States of matter

Key Knowledge

The particles in matter change depending on the state it is in.



Heating and cooling a material can change its state.



Key Vocabulary

condensing	Process of a gas cooling and changing to a liquid
Degrees Celsius °C	A measurement of temperature. Water changes from a liquid to a solid at 0°C Water changes from a liquid to a gas at 100 °C
evaporating	Process of a liquid heating and changing to a gas.
freezing	Process of a liquid cooling and changing into a solid.
gas	1 of the 3 states of matter. It has no fixed shape. The particles can flow and change volume (space it takes up) Oxygen is a type of gas.
liquid	1 of the 3 states of matter. Takes the shape of the container it is in. The particles can change shape but not volume (space it takes up) Water is a type of liquid
melting	Process of a solid heating and changing into a liquid
particles	Really tiny bits that all things are made from.
solid	1 of the 3 states of matter. Its particles cannot change their shape. You can hold this. Chocolate is a type of solid.