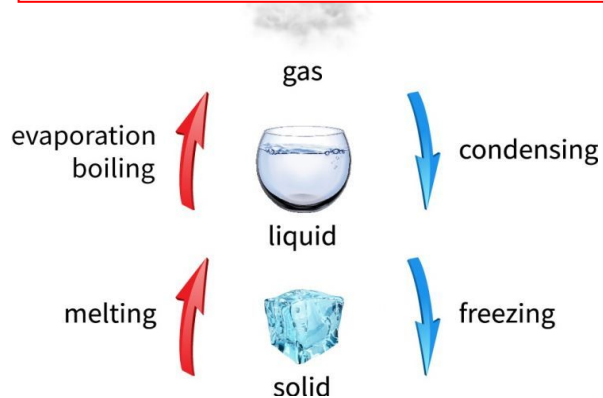


The water cycle: Water continually moves round the Earth in the water cycle. The sun evaporates water in to vapour. However, when this vapour cools, it turns back into a liquid and falls to the ground as rain.



Year Four Science States of Matter



Some materials like water can change their state into solids, liquids or gases.

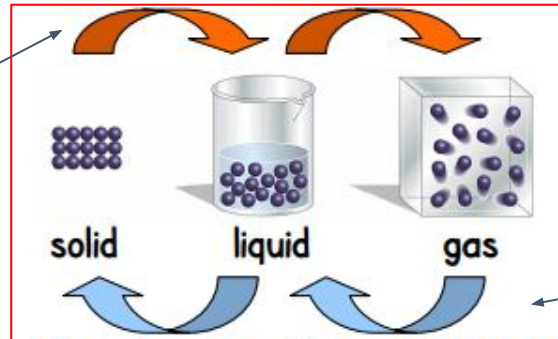
Heating and cooling materials can make them change state.

solids hold their shape;

liquids form a pool not a pile

gases escape from an unsealed container.

Heating



Cooling

Significant person:

Marie Curie (1867-1934) was a Polish chemist who coined the term radioactivity. She also discovered the gases called polonium and radium which have been used to help treat diseases like cancer. She was the first woman to win the Nobel Prize and won the award twice, once for physics in 1903 and again for chemistry in 1911.



Key vocabulary

Heating and cooling	Raising or lowering the temperature of something
Temperature	A measure of how hot or cold something is
Thermometer	A thermometer measures temperature in degrees celsius
Condensation	The process by which a gas cools into a liquid
Evaporation	The process of turning a liquid in to a gas
Precipitation	Precipitation is the release of water from the sky; it can be liquid or solid, for example, rain, sleet, hail and snow.
Boiling point	The temperature at which a liquid will evaporate. For water this is 100 degrees Celsius
Freezing point	The temperature at which a liquid will freeze. For water this is 0 degrees Celsius