



Ettington Primary School

Knowledge organiser

Changing state

Year 4

Vocabulary

Matter- Objects that take up space and have a mass. Everything around you is made up of matter. Particles are tightly packed.

Solid- a solid holds its shape and has a fixed volume.

Gas- easy to compress, expand to fill containers and occupy more space than liquids or solids.

Liquid- a liquid fills up the shape. Particles move freely over each other.

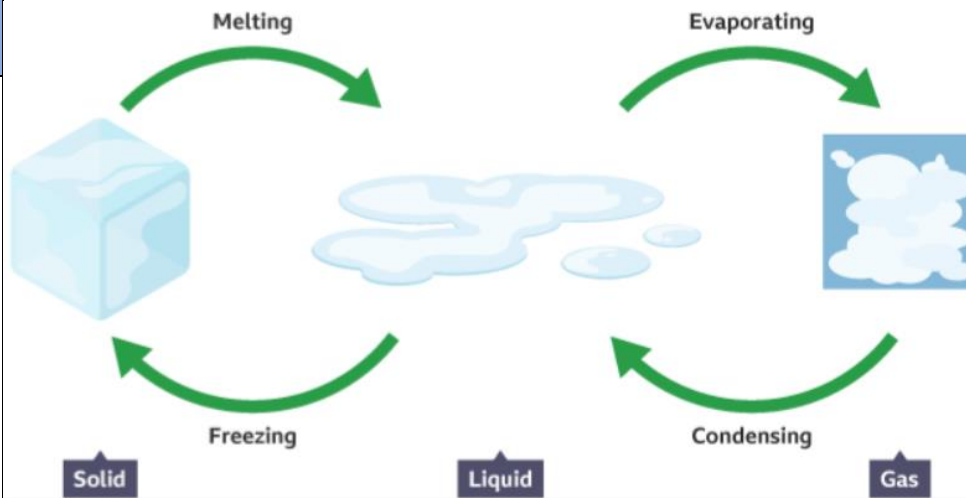
Evaporation- turn liquid into a gas; pass away in the form of vapour.

Condensation- small drops of water which form when water vapour or steam touches a cold surface.

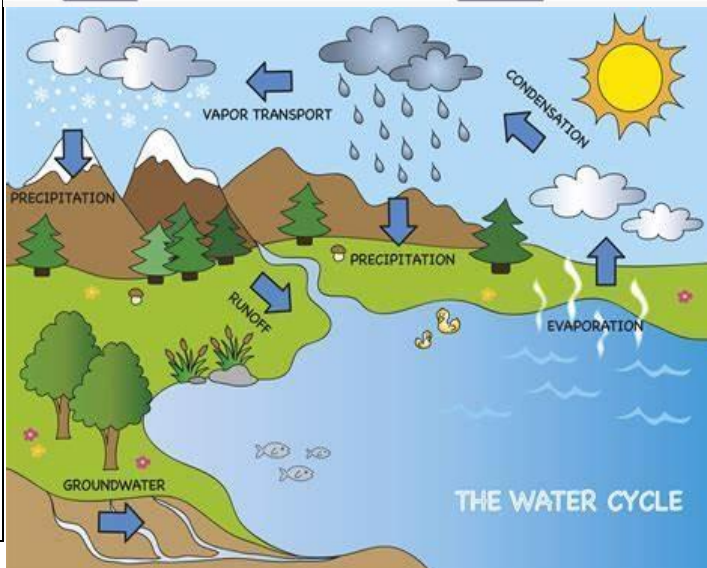
Temperature- Degree or intensity of heat present in a substance or object.

Celsius- A scale of temperature on which water freezes at 0 degrees and boils at 100 degrees.

Molecules- very tiny particles that make matter.



Solid	Liquid	Gas
Particles are tightly packed - usually a regular pattern	Particles are close together - no regular pattern	Particles are well separated - no regular pattern



Properties of materials

Magnetic 	Transparent 	Permeable
Soluble 	Insoluble 	Impermeable
		Flexible

