

States of matter

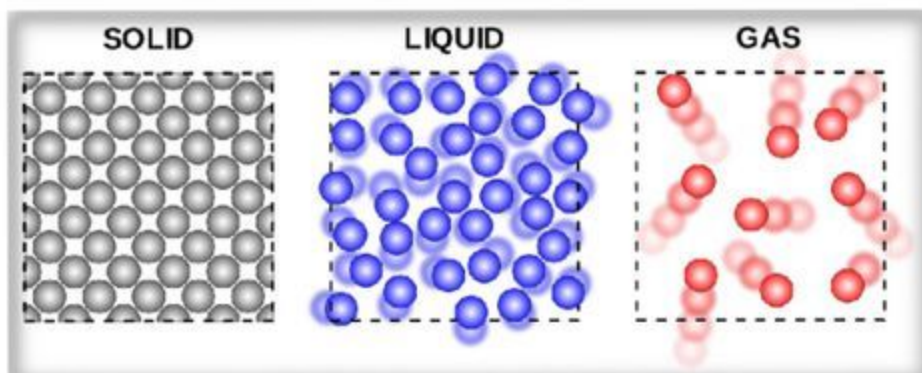
Solid: has a definite shape and a definite volume.

Liquid: has a definite volume but no shape of its own.

fluid: "a substance that flows"

Gases: have neither definite shape nor definite volume. They can change volume very easily.

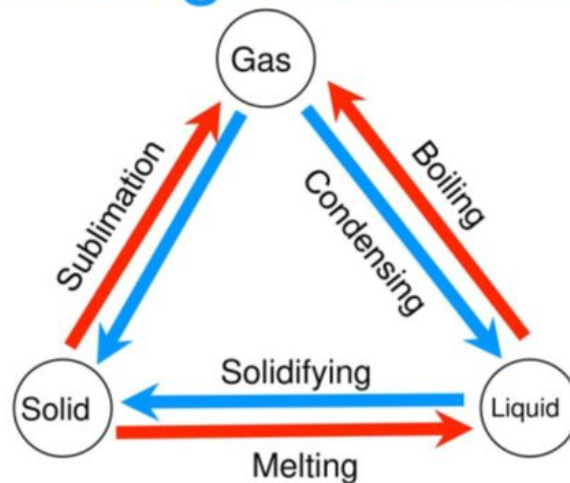
Solid	Liquid	Gas
the particles are closely packed	the particles can move around one another freely	The particles can spread apart or be squeezed.



Changes between states:

Particles of a liquid have more thermal energy than particles of the same substance in solid form. As a gas, the particles of this same substance have even more thermal energy.

Changes of State



Describe how materials change state.

Explain latent heat

Be able to calculate latent heat