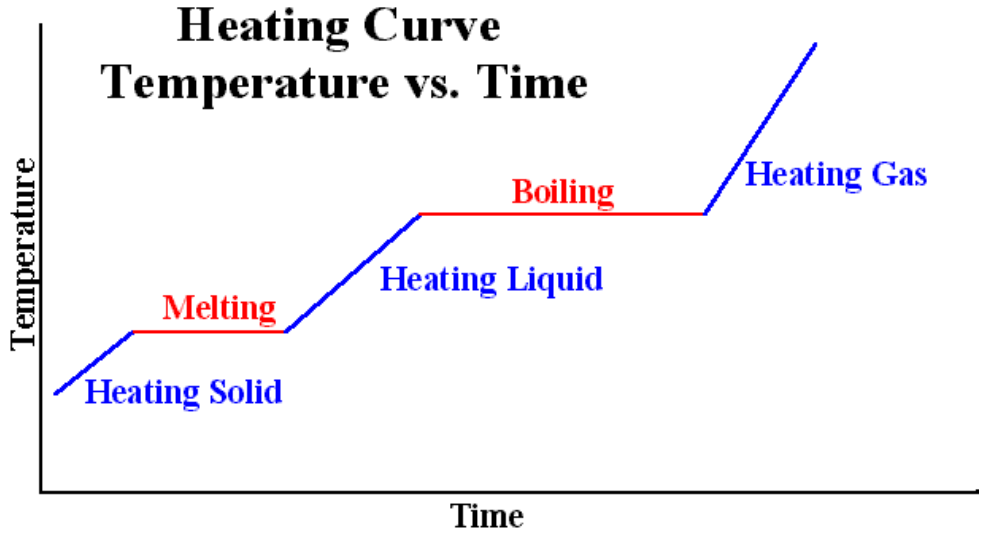
Knowledge Organiser – Particle Model of Matter

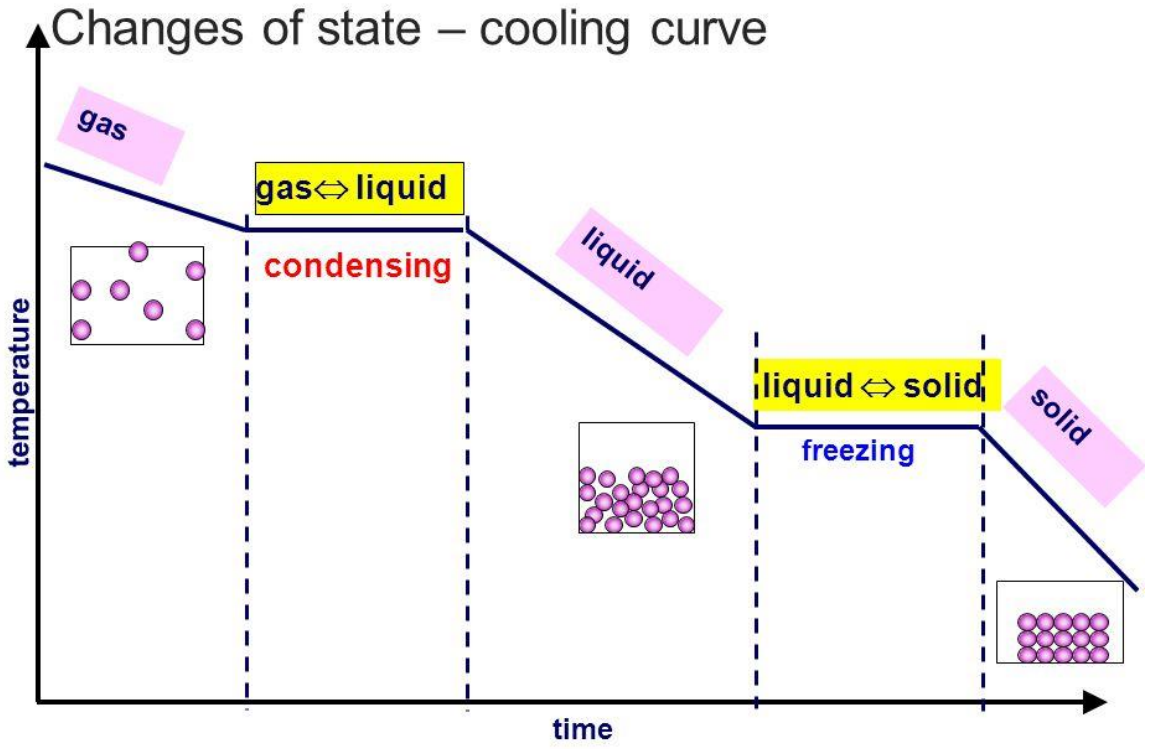
Key Terms

Diagrams

Equations

$\rho = m/v$	Density = Mass ÷ volume
$\Delta E = mc\,\Delta\theta$	Change in thermal energy = mass x specific heat capacity x temperature change
$E = mL$	Energy required to change state = mass x specific latent heat





	Solid	Liquid	Gas
Arrangement of particles	Close together Regular pattern	Close together Random arrangement	Far apart Random arrangement
Movement of particles	Vibrate on the spot	Move around each other	Move quickly in all directions
Diagram