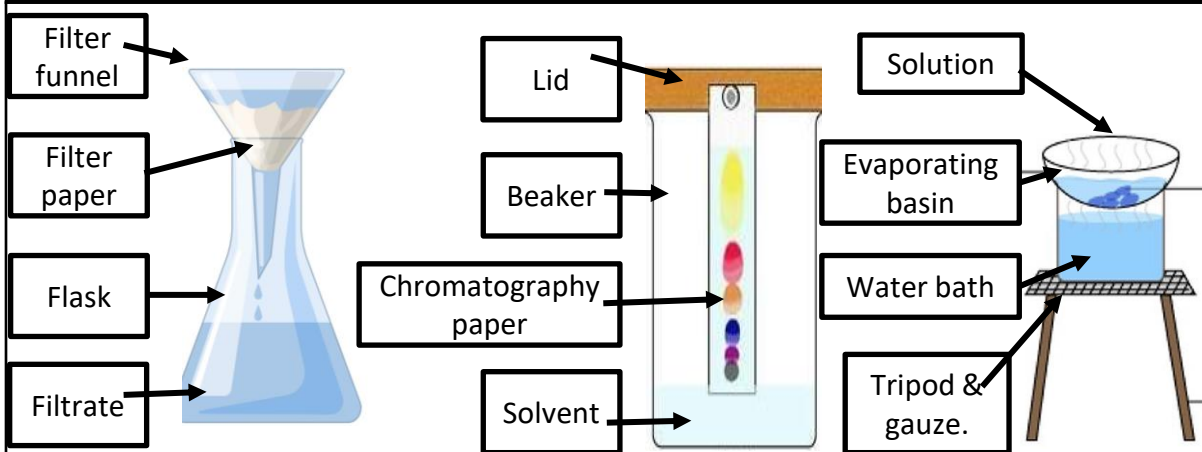


Separating Mixtures

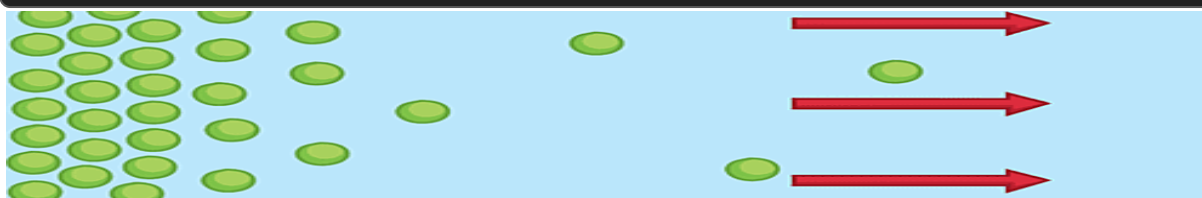
1. Keywords

Atom	The smallest particle of an element.
Molecule	Two or more atoms chemically bonded together.
Element	A substance made up of only one type of atom.
Compound	Substance made from two or more elements chemically bonded together.
Mixture	Two or more substances mixed together, but do not react together. A mixture is not a pure substance.
Solute	A solid that can dissolve in a solvent.
Solvent	A substance that dissolves another substance.
Solution	Mixture formed when a solvent dissolves a solute.
Solubility	A measure of how much a substance dissolves in a certain volume of solvent.

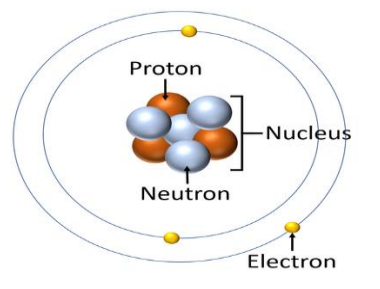
2. Separation techniques.



3 Diffusion

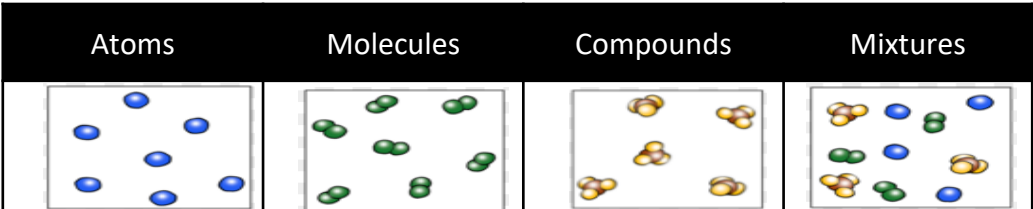


4 The Atom



Relative charge & mass of sub-atomic particles.

Particle	Mass	Charge
Proton	1	+
Electron	0 (very small)	-
Neutron	1	0



Keyword	Definition
Particle	A very tiny object such as an atom or molecule, too small to be seen with a microscope.
Particle model	A way to think about how substances behave in terms of small, moving particles.
Evaporate	Change from liquid to gas at the surface of a liquid, at any temperature.
Boil	Change from liquid to a gas of all the liquid when the temperature reaches boiling point.
Condense	Change of state from gas to liquid when the temperature drops to the boiling point.
Melt	Change from solid to liquid when the temperature rises to the melting point.
Freeze	Change from liquid to a solid when the temperature drops to the melting point.
Sublime	Change from a solid directly into a gas.
Melting point	The temperature when a solid becomes a liquid.
Boiling point	The temperature when a liquid becomes a gas.
Diffusion	Movement of particles from an area of high concentration to an area of low concentration

