

Keywords: atom, particle, physical change, States of matter, attractive forces, compound, impure, melting point, mixture, pure, crystallisation, filtrate, residue, solute, solution, solvent, chromatography, stationary phase, Mobile phase, chromatogram, chlorination, desalination, precipitate, Chemical analysis, sedimentation. See word sheet for full list and definitions.

Assessment = ★★

Assessment & Review

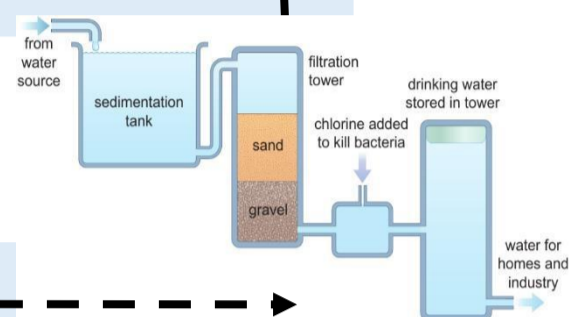
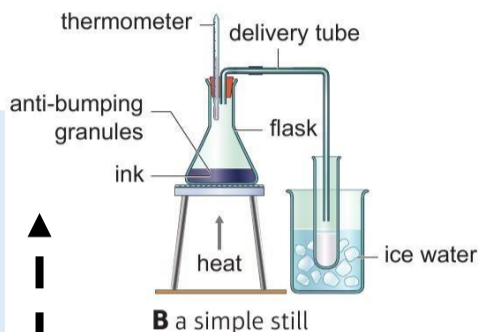
Revision lesson

Focus on retrieval, key word definitions and diagrams.

Apply:
CC8 Producing salts
CC16 Fractional distillation

Drinking water

Purifying water so it is safe to drink

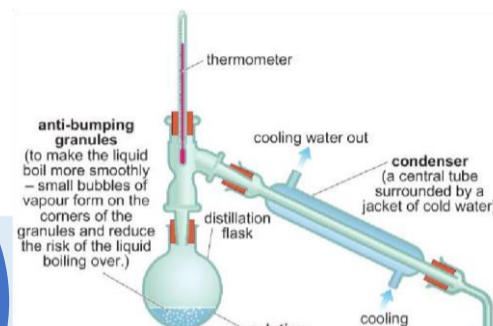


Investigating inks

Using paper chromatography and simple distillation

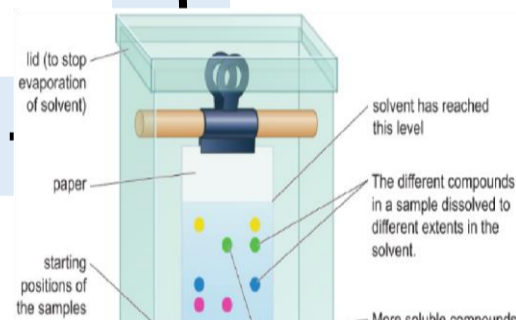
Distillation

separating mixtures using fractional and simple distillation



Paper chromatography

separating soluble inks



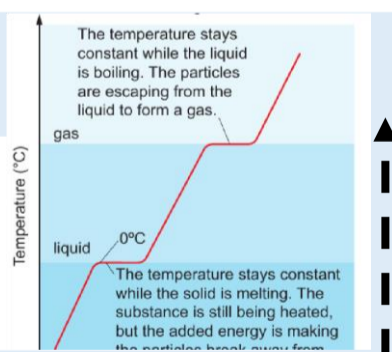
Filtration and crystallisation

separating solids from liquids

Self-Assessment = ★

Mixtures

Mixtures do not have Sharp melting points



State	Particle diagram	Arrangement of particles	Movement of particles
Gas		random far apart	fast in all directions
Liquid		random close together	move around each other
Solid		regular close together	vibrate about fixed positions

States of matter

Solids, liquids and gases

Retrieve:
Year 7 particles
Year 8 Separation techniques