Key terms

Mixture - contain more than one particule, they are **NOT** chemically joined and they are **easy to separate**

Pure – contains one type of particle

Impure – contains a mixture of particles

Solute - is the solid that is dissolved

Solvent - is a liquid that dissolves a substance

Solution - is formed when a solute dissolves in a solvent.

Solubility - how well a solvent will dissolve a solute

Separation techniques

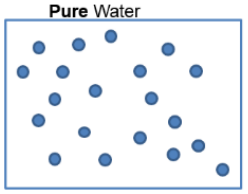
Distillation - can be used to separate a liquid from anything dissolved in it, its evaporation followed by condensation

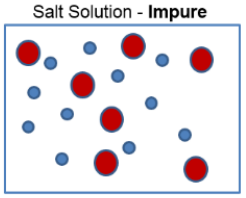
Chromatography - separation dissolves solids from one another. The solids are usually coloured.

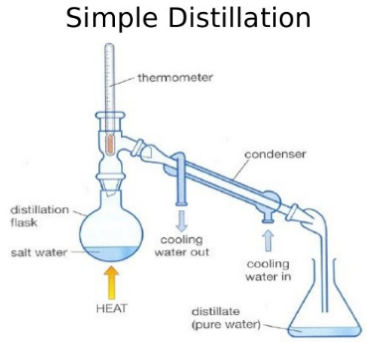
Filtration - a way to separate out a solid in a solution

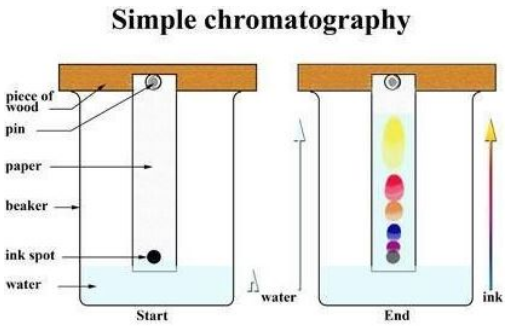
Evaporation - removes the water from a solution

PURE AND IMPURE







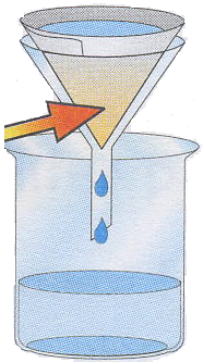


Purifying rock salt

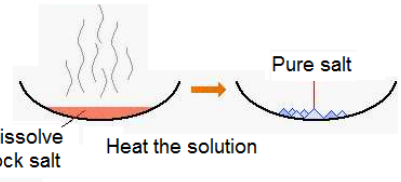
Step 1 Filtration

Step 2 Evaporation

1. Dissolve the rock salt, to remove any insoluable impurities.



2. Water evaporates



Temperature and solubility

If you increase the temperature the solubility of a solute into a solvent increases, until saturation is reached.