



PiXL GetIT!

GCSE Chemistry

Topic – Separating substances

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Filtration – removes a **solid from a liquid**

Crystallisation – removes a **dissolved solid from the solution**

Chromatography – separates different **substances dissolved in a liquid**

Fractional distillation – separates liquids with **different boiling points**

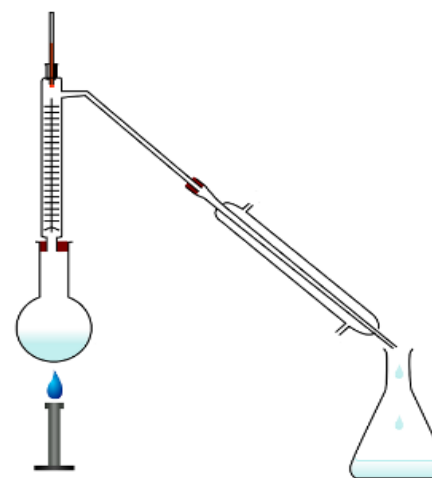
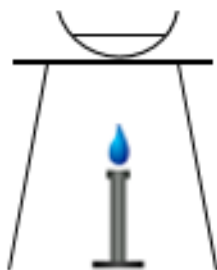
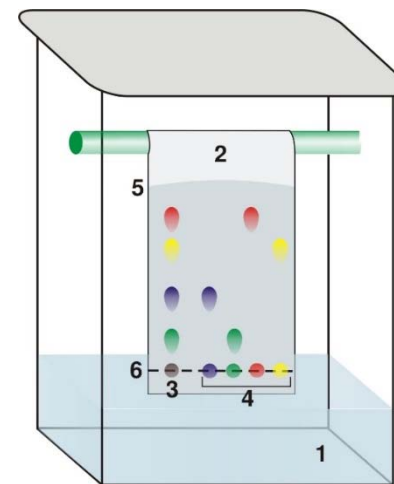
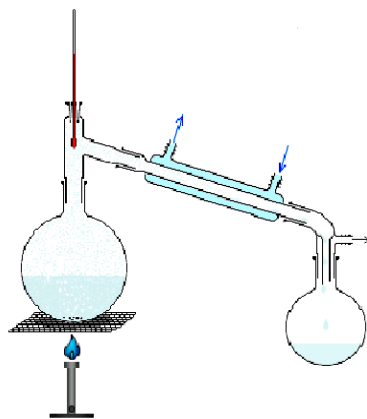
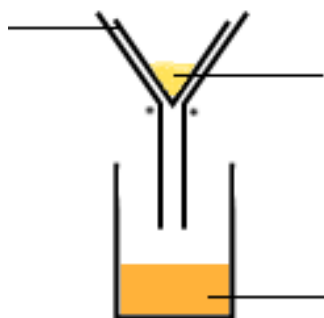
Simple distillation – separates a **solvent from a solution**

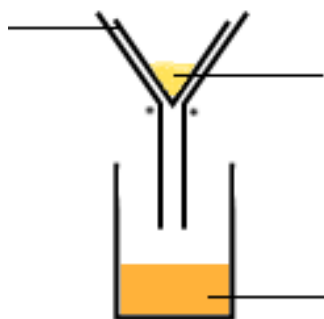
Mixture
Filtration
Solvent
Chromatography
Simple distillation
Fractional distillation
Solute
Solution
Crystallisation

The liquid in which a solute dissolves
Used to separate a solvent from a solution
The substance that dissolves in a liquid to form a solution
Elements and/or compounds that are mixed together, without chemical bonds and can be separated
The mixture formed when a solute has dissolved in a solvent
Used to separate a solid that has dissolved in a liquid
Separating a mixture of liquids each with different boiling points
Separating an insoluble solid from a liquid using filter paper
Used to separate different substances dissolved in a liquid

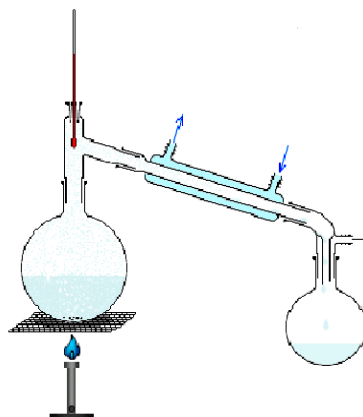
Mixture
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Crystallisation

Elements and/or compounds that are mixed together without chemical bonds and can be separated
Separating an insoluble solid from a liquid using filter paper
The liquid in which a solute dissolves
Used to separate different substances dissolved in a liquid
Used to separate a solvent from a solution
Separating a mixture of liquids each with different boiling points
The substance that dissolves in a liquid to form a solution
The mixture formed when a solute has dissolved in a solvent
Used to separate a solid that has dissolved in a liquid

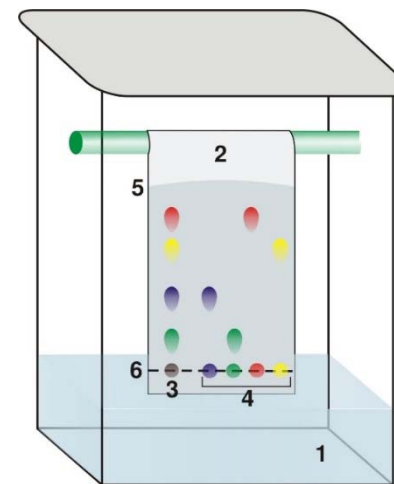




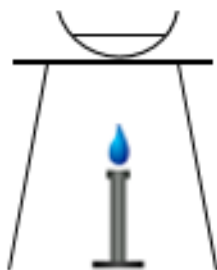
Filtration



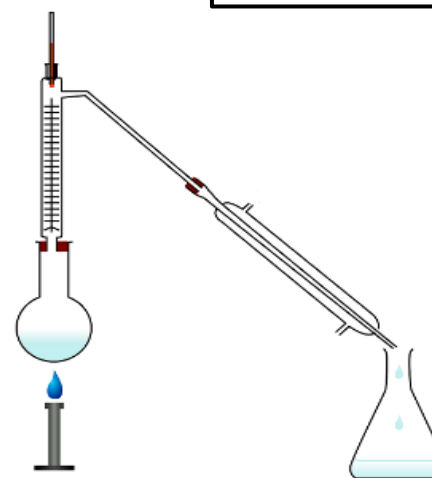
Simple distillation



Chromatography

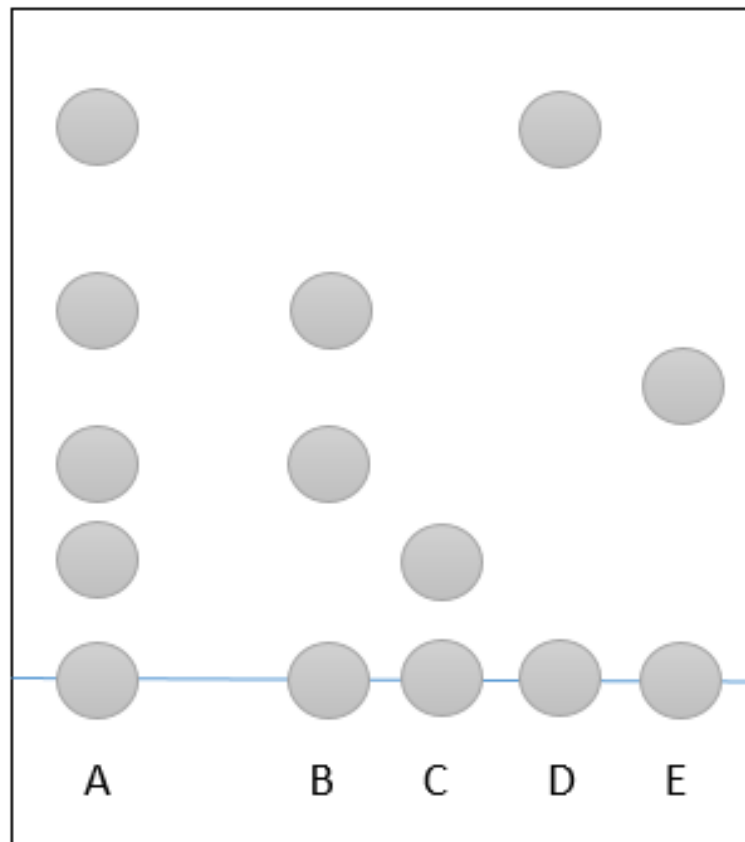


Crystallisation



Fractional distillation

Use the chromatogram below to decide what colours are present in ink A.



Answer = B, C and D

