Separation Techniques

Distillation

- Used to separate a liquid from a solution
- Used to separate mixtures of coloured compounds

Filtration

- Used to separate an insoluble solid from a liquid
- Using filtration to separate sand from a sand-water mixture

Evaporation

- Used to separate a soluble solid from its solution
- Using evaporation to separate salt from a salt water solution

Paper Chromatography

- Used to separate inks, dyes and colouring agents in food

Diagram:
- Water can be separated from salty water
- Using chromatography to separate colours in an ink