

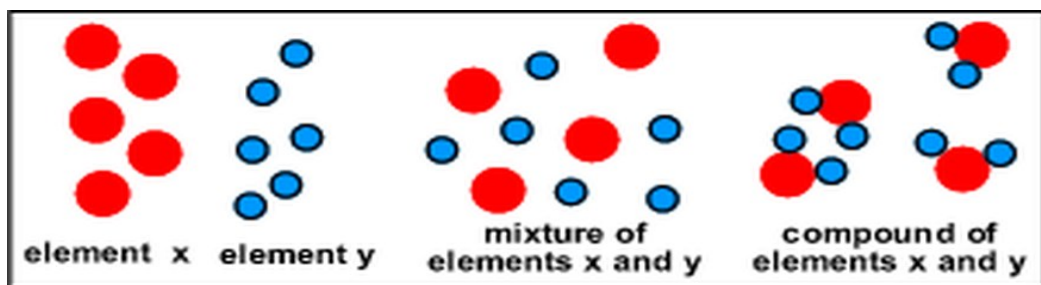
# Sci in the forest Separating mixtures Year 7

## End point 1 : Identification of a pure substance, mixture and compounds

Mixtures contain two or more different atoms which are not chemically joined. These can easily be separated using techniques such as distillation, evaporation and chromatography

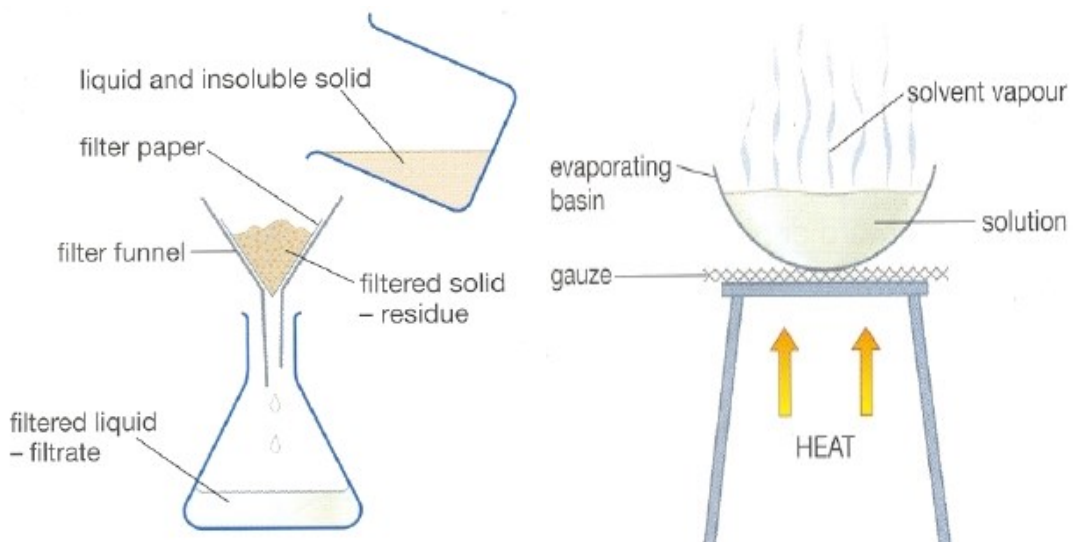
Compounds contain two or more different atoms which are chemically joined. Compounds are very hard to separate because of the chemical bonds between the atoms.

Pure substances contain only one type of atom or compound



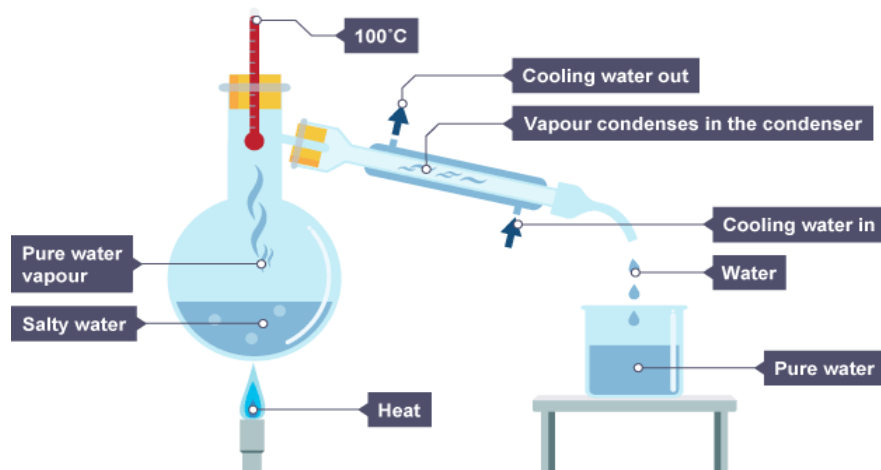
## End point 2 : Use of simple Separation techniques including filtration and evaporation

Filtration is used to separate an insoluble solid from a liquid and Evaporation is used to separate a soluble solid from a solvent.

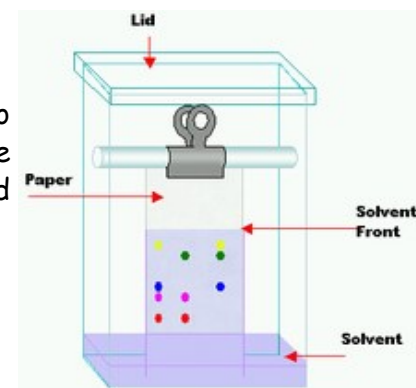


## End point 3 : Understand how more complex separation techniques work (distillation and chromatography)

Distillation is used to separate a mixture of liquids based on their boiling points.



Chromatography is used to separate a mixture of soluble solids. It is the science behind DNA fingerprinting.



## End point 4: Explain solubility using key terms

