

Separation of Mixtures

Put out all the boxes. Match one box from the left column with one box from the right column. Glue the matching boxes into your notebook.

Evaporation	<i>Using long strips of filter paper to draw lighter dissolved substances away from heavier dissolved substances (e.g. different coloured dyes)</i>
Filtration	<i>Pouring off the liquid at the top of a container with an insoluble substance (e.g. sand and water mixture)</i>
Paper Chromatography	<i>A combination of 2 processes – evaporation followed by condensation (e.g. to make pure water from seawater)</i>
Distillation	<i>Spinning to separate lighter from heavier substances (e.g. blood cells from plasma)</i>
Centrifuge	<i>A device to separate heavy liquids (e.g. water) from lighter liquids (e.g. kerosene)</i>
Separating Funnel	<i>Attracting substances made of iron, nickel and cobalt in order to separate them from other substances</i>
Using a Magnet	<i>Heating to separate a soluble substance such as table salt from water</i>
Decanting	<i>Separating an insoluble substance from a liquid by passing the mixture through porous paper</i>