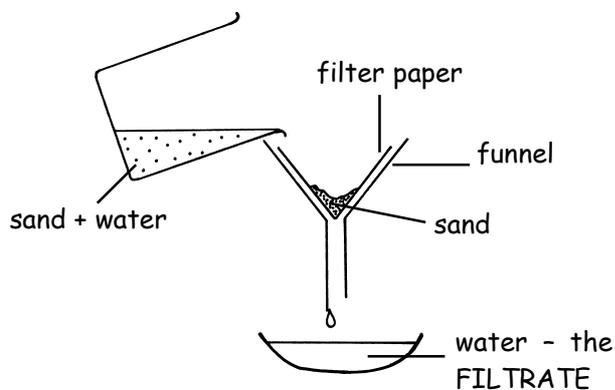


W.S.43. Separating mixtures.

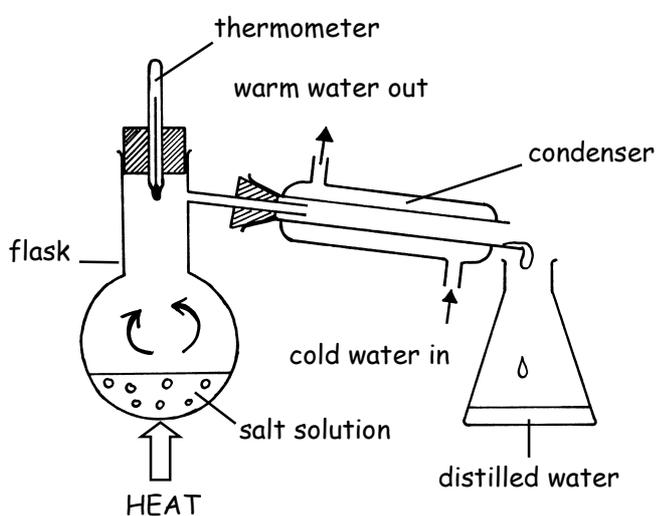
Name

A mixture contains a number of substances that are not chemically joined. The diagrams below show different ways of separating mixtures. Fill in the missing words in the paragraphs beside each method.



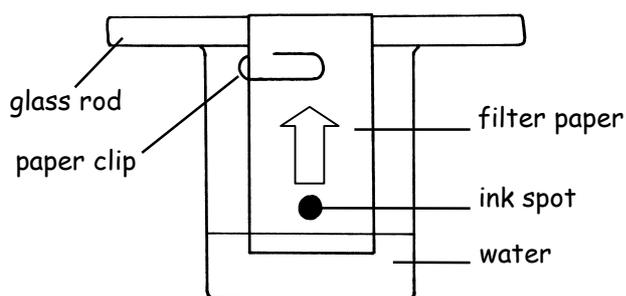
Filtration.

This method separates small, solid particles from liquids. In the diagram a mixture of sand and water is being filtered. The passes through the filter paper and the is held back. The sand particles are too big to pass through the pores in the



Distillation.

This method separates dissolved chemicals (SOLUTES) from the liquids that they are dissolved in (SOLVENTS). In the diagram salt solution is being separated into salt and The water evaporates from the boiling solution and then condenses as it is in the condenser. The salt is left behind in the



Chromatography.

In the diagram the colours in pen ink are being separated. As water rises up the it takes the colours with it. Different colours travel at different If the ink contains more than one colour they will separate out along the paper.

Exercise 2 - Join up each mixture below with the correct method for separating it.

muddy water

distillation

copper sulphate solution

filtration

peas and sand

magnetic attraction

iron filings and sawdust

sieving