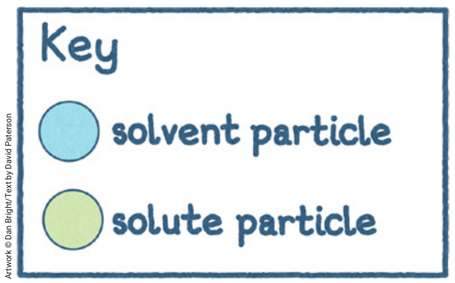
Simple distillation



Solvent vapour rises up the still head, with some condensing into drops on the inside.

The thermometer measures the temperature of the solvent vapour.

Solvent vapour condenses into drops on the cooled tube.

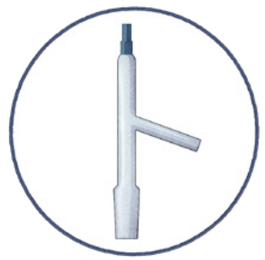
The mixture contains solvent and solute particles. Heating causes bubbles to form as the solvent evaporates.

Drops of solvent (now distillate) collect in a receiving flask.

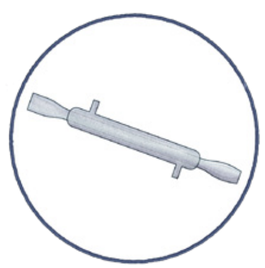
Round-bottomed flask
contains the mixture and anti-bumping granules

Thermometer
measures the vapour's temperature

Still head
connects the flask and the condenser



Condenser
the cool water condenses the distillate vapour



Still receiver
connects the condenser to the receiving flask

Receiving flask
e.g. a round-bottomed flask, beaker, test tube

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