

Solutions

Each answer shows the steps, then the **result**.

2.1

- Filtration

2.2

- Distillation

2.3

- Difference in boiling points

3.1 C

- attraction to the stationary phase (vs the moving solvent)

3.2

(a)

- Filter the mixture — sand stays as the residue

(b)

- Evaporate or distil the salt water to leave/collect the salt

3.3

- Dye X is less strongly attracted to the paper (or more soluble in the solvent), so it travels further; dye Y is held back more strongly