

Name: _____

Separation Techniques Mindmap

Class: _____

Types of Mixtures

Solid / Solid

M _____?

Yes:

No

S _____?

Add Solvent

Soluble solid

Insoluble solid

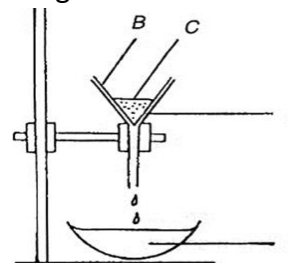
S _____

S _____

D _____

Filtration

Diagram:



A
B
C

M _____
P _____?

Yes:

No:
Crystallisation

E _____

Steps for Crystallisation

- 1.
- 2.
- 3.
- 4.

Direct Heating

Hot water bath

Diagram:

Diagram:

Different solubilities?

Paper Chromatography

- Different spots represent different chemicals
- Distance from start line represents solubility
- Same distance = same chemical
- Chemical remains on start-line → change solvent

Different boiling points?

Fractional Distillation

Things to note: