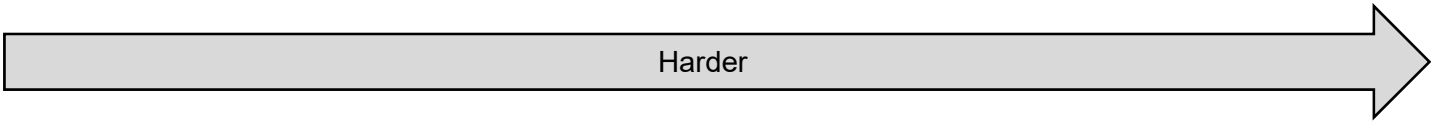


We will learn: C2.2 Separation Techniques

Element				
1. Compounds and Mixtures	State that parts of mixtures are not joined together	State that pure substances have set melting points	Describe particle arrangements in mixtures	Explain how to identify pure substances
2. Solutions	State that that a solution contains dissolved particles	Identify solvent, solute and solution	Describe solutions using key words	Use the particle model to explain dissolving Draw particle diagrams to represent solutions and pure substances
3. Solubility	Describe what happens when a solute dissolves	Describe how temperature affects solubility	Explain meaning of solubility	Explain why temperature affects the amount of solute dissolved in a solution
4. Filtration	Identify the filtrate and residue in a diagram	Draw a labelled diagram of the apparatus needed to filter a solution	Explain how filtration works	Use particle diagrams to illustrate how filtering works
5. Evaporation	State that mixtures can be separated by evaporation and distillation	Explain how to use distillation and evaporation equipment	Explain how distillation and evaporation works	Explain how to decide between using distillation and evaporation.
6. Chromatography	Use chromatography to separate a mixture of coloured substances.	Describe results of a chromatogram	Use results of chromatogram to make a conclusion	Use the particle model to explain what particles do when substances dissolve