

Lesson	Improving	Secure	Advanced and Extending
C2 2.1 Mixtures	I can state that parts of mixtures are not joined together. <input type="checkbox"/>	I can describe particle arrangements in mixtures. <input type="checkbox"/>	I can use particle models to represent mixtures. <input type="checkbox"/>
	I can state that different substances in mixtures have their own melting points. <input type="checkbox"/>	I can explain how to identify pure substances. <input type="checkbox"/>	I can comment on a substance's purity by interpreting temperature change data. <input type="checkbox"/>
C2 2.2 Solutions	I can identify a solvent, solute, and solution in a given scenario. <input type="checkbox"/>	I can describe solutions using key words. <input type="checkbox"/>	I can explain the relationship between solutes, solvents, and solutions. <input type="checkbox"/>
	I can state a solution contains dissolved particles. <input type="checkbox"/>	I can use the particle model to explain dissolving. <input type="checkbox"/>	I can draw particle diagrams to represent solutions and pure substances. <input type="checkbox"/>
C2 2.3 Solubility	I can describe what happens when a solute dissolves. <input type="checkbox"/>	I can explain what a saturated solution is. <input type="checkbox"/>	I can explain why temperature affects the amount of solute dissolved in a solution. <input type="checkbox"/>
	I can describe how temperature affects solubility. <input type="checkbox"/>	I can explain the meaning of solubility. <input type="checkbox"/>	I can explain what a solubility graph shows. <input type="checkbox"/>
C2 2.4 Filtration	I can name the filtrate and residue in given situations. <input type="checkbox"/>	I can explain how filtration works. <input type="checkbox"/>	I can use particle diagrams to illustrate how filtering works. <input type="checkbox"/>
	I can state some situations in which filtering is used. <input type="checkbox"/>	I can describe how to filter a mixture. <input type="checkbox"/>	I can explain whether or not filtering can be used in given situations. <input type="checkbox"/>

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C2 2.5 Evaporation and distillation	I can state some mixtures that can be separated using evaporation. <input type="checkbox"/>	I can explain how to use evaporation to separate mixtures. <input type="checkbox"/>	I can compare evaporation and distillation. <input type="checkbox"/>
	I can state some mixtures that can be separated using distillation. <input type="checkbox"/>	I can explain how distillation works. <input type="checkbox"/>	I can discuss whether evaporation or distillation would be suitable for separating a mixture. <input type="checkbox"/>
C2 2.6 Chromatography	I can state what happens to mixtures when they undergo chromatography <input type="checkbox"/>	I can explain how chromatography separates mixtures. <input type="checkbox"/>	I can explain how chromatography can be used in different scenarios. <input type="checkbox"/>
	I can describe what a chromatogram looks like. <input type="checkbox"/>	I can analyse chromatograms to identify substances in mixtures. <input type="checkbox"/>	I can consider how chromatography can be used to monitor the progress of reactions. <input type="checkbox"/>