

Personalised Learning Checklist

Subject: Science

Year group: 8



Dear Student,

During the academy closure you have been set a number of tasks. The list below is the learning you should have completed. Your teacher will use the list to check your progress during this time. It may be used for short quizzes, mini assessments or homework. Where there are gaps your lessons will focus on improving your knowledge and understanding.

Separation Techniques

	Objective	My personal RAG rating (Red- do not understand, Amber- some understanding, Green- I am confident)			Teacher RAG rating
Mixtures	> A mixture is made up of substances that are not chemically joined	RED	AMBER	GREEN	
	>A solution is a mixture of a liquid with a solid or a gas. All parts of the solution are the same, You cannot see the separate substances	RED	AMBER	GREEN	
	> In a solution, the substance that dissolves is called the solute	RED	AMBER	GREEN	
	>The liquid in which the solute dissolves is called the solvent	RED	AMBER	GREEN	
Solubility	> Soluble means that a substance is able to dissolve	RED	AMBER	GREEN	
	> Insoluble means that a substance is unable to dissolve	RED	AMBER	GREEN	
	> A saturated solution is a solution in which no more solute can dissolve	RED	AMBER	GREEN	
	> Solubility of a substance changes with temperature	RED	AMBER	GREEN	
Filtration and Evaporation	> Filtration separates a liquid from a insoluble solid	RED	AMBER	GREEN	
	> You can separate a solute from its solution by evaporation	RED	AMBER	GREEN	
Distillation	>You can separate a solvent from its solution by distillation	RED	AMBER	GREEN	
Chromatography	>You can separate substances in a mixture by chromatography	RED	AMBER	GREEN	