

Key Vocabulary	particle model, attractive forces, physical properties, solute, solvent, solution, crystallisation, residue, mobile phase, stationary phase, fractional distillation, chlorination, aquifers	Subatomic particles, relative atomic mass, nuclear fission, electronic configuration, empirical formula, Avogadro constant,	Cations, anions, electrostatic forces, polyatomic ions, lattice structure, aqueous solution, dot and cross diagrams, monomers, polymers, allotropes, fullerenes, graphene	Indicators, dissociate, crystallisation, titration, pipette, effervescence, precipitate	Oxidation, reduction, electrolysis, electrolyte, displacement reactions, malleable, ductile	Oxidation, reduction, electrolysis, electrolyte, displacement reactions, malleable, ductile
Formative Assessment	6 mark question with teacher feedback	6 mark question with teacher feedback	6 mark question with teacher feedback	6 mark question with teacher feedback	6 mark question with teacher feedback	6 mark question with teacher feedback
Summative Assessment	End of unit test	End of unit test	End of unit test	End of unit test	End of unit test	End of unit test
Careers	Forensic scientist, geoscientist, lab technician, urologist	Forensic scientist, geoscientist, lab technician, paramedic, sports scientist, zoologist	Forensic scientist, geoscientist, lab technician, forensic scientist, geoscientist, lab technician, neuroscientist, urologist, zoologist	Aeronautical engineer, equine dentist, robotist, sports, scientist	Aeronautical engineer, equine dentist, robotist, sports scientist, yacht master	Forensic scientist, geoscientist, lab technician
Links	To build on particle arrangements in solids, liquids and gases. To prepare for differences between pure substances and mixture. In	To build on particle model of matter. To prepare for understanding that the elements are arranged in a periodic table. In addition, the	To build on the particle model of matter. To prepare for Dalton's ideas about atoms and molecules used to explain properties	To build on solubility, solutes, solvents and solutions. In addition, the use of common international hazard symbols.	To build on oxidation and displacement reactions. To prepare for the reactivity series.	To build on oxidation and displacement reactions. To prepare for the reactivity series.

	addition, separating techniques of filtration, distillation and chromatography.	position of metals and non-metals in the periodic table absorption and reflection.	of matter. In addition, how elements are arranged in the periodic table.	To prepare for common acids and alkalis and neutral solutions. In addition, the use of indicators to test the pH of solutions.		
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