

Key Vocabulary	halogens, diatomic, oxidation, reduction, displacement reactions, activation energy, exothermic, endothermic	finite resources, hydrocarbons, petrochemicals, viscosity, fractional distillation, homologous series, correlation	functional group, unsaturated, saturated, combustion, fermentation, ethanoic acid, polymerisation	functional group, unsaturated, saturated, combustion, fermentation, ethanoic acid, polymerisation	emission spectra, flame photometer, halides, anions, transparent, opaque, tensile, nanoparticulate	
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	
Summative Assessment	End of unit test	End of unit test	End of unit test	End of unit test	End of unit test	
Careers	sports scientist, robotist, aeronautical engineer	lab technician, telecoms technician	geoscientist, kinesiologist	robotist, aeronautical engineer	Forensic scientist, lab technician, geoscientist	
Links	To build on the nature of atoms and ions. To prepare for specific properties of elements in groups 1, 7 and 0.	To build on fuels and energy sources. To prepare for the separating techniques involved in fractional distillation.	To build on the combustion of fuels. To prepare for the structure and function of alkanes and alkenes.	To build on the properties of polymers. To prepare for describing the disposal and the recycling of polymers.	To build on properties of metals and composite materials. To prepare for the properties and uses of nanoparticles.	