

Subject Combined Science Chemistry Foundation	Exam Board AQA
Assessment Paper 2	This will be a revised paper 2 that will assess content that you have covered in class.
Revision Topics for 2 <sup>nd</sup> Mock if Relevant	<p><b>4.6 Rate and extent of chemical reactions</b> Calculating rates of reaction, Factors which affect the rate of chemical reaction, Collision theory and activation energy, Catalysts, Reversible reactions, Energy changes and reversible reactions, Equilibrium,</p> <p><b>4.7 Organic Chemistry</b> Crude oil, hydrocarbons and alkanes, Fractional distillation and petrochemicals, properties of hydrocarbons, cracking and alkenes,</p> <p><b>4.8 Chemical analysis</b> Pure substances, formulations, chromatography, Identification of gases: Test for hydrogen, Test for oxygen, Test for carbon dioxide, Test for chlorine.</p> <p><b>4.9 Chemistry of the atmosphere</b> Greenhouse gases, Human activities which contribute to an increase in greenhouse gases in the atmosphere, Global climate change, Atmospheric pollutants from fuels, Properties and effects of atmospheric pollutants</p> <p><b>4.10 Using resources</b> Using the Earth's resources and sustainable development, Potable water, Waste water treatment, Ways of reducing the use of resources, Life cycle assessment,</p> <p><b>Required practicals</b> RP5 – Rate of reaction RP6 - Chromatography RP8 - Analysis of water</p>
Target Mocks	w/b 26 <sup>th</sup> February 2024

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Revision Topics Lists for the Final Exam(s)	Paper 1 – Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes  Paper 2 – Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.
Target Mocks	w/b 26 <sup>th</sup> February 2024