

Subject Chemistry Higher	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 nd Mock if Relevant	<p>4.6 Rate and extent of chemical reactions 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, The effect of changing conditions on equilibrium, The effect of changing concentration, The effect of temperature on equilibrium, The effect of pressure changes on equilibrium.</p> <p>4.7 Organic Chemistry Crude oil, hydrocarbons and alkanes, Fractional distillation and petrochemicals, properties of hydrocarbons, cracking and alkenes, structure and formula of alkenes, reactions of alkenes, alcohols, carboxylic acids, addition polymerisation, DNA (deoxyribonucleic acid) and other naturally occurring polymers, Condensation polymerisation, Amino acids,</p> <p>4.8 Chemical analysis Pure substances, formulations, chromatography, Identification of gases: Test for hydrogen, Test for oxygen, Test for carbon dioxide, Test for chlorine, Identification of common ions: Flame tests, metal hydroxides, carbonates, sulphates, halides, Instrumental methods, flame emission spectroscopy.</p> <p>4.9 Chemistry of the atmosphere The proportions of different gases in the atmosphere, 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>4.10 Using resources Using the Earth's resources and sustainable development, Potable water, Waste water treatment, Ways of reducing the use of resources, Life cycle assessment, Corrosion and its prevention, alloys as useful materials, ceramics, polymers and composites, The Haber process, Production and uses of NPK fertilisers, Alternative methods of extracting metals,</p> <p>Required practicals RP5 – Rate of reaction RP6 – Chromatography RP7 – Tests for common ions RP8 - Analysis of water</p>
Target Mocks	w/b 26 th 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.
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