

# Year 11 Combined Science foundation (Chemistry) Mock Exam

## Revision list outline

For a fully comprehensive list of subject content assessment point you may access for free the AQA Chemistry Specification on the AQA website (<http://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF>) and view pages 65 – 114. Paper will consist of 70 marks for a 1 hr 15 exam. **Calculators are allowed.**

<b>Atomic structure</b>	<b>Revised</b> ☺☹☹	<b>Subtopic</b>
		Atoms, elements, compounds,
		Development of the atom,
		electronic structure
<b>Periodic table</b>		Development of periodic table
		Group 0 (noble gases)
		Group 1 (alkali metals)
		Group 7 (halogens)
<b>Bonding, structure and properties of matter</b>		Ionic, covalent, metallic bonding
		States of matter
		Small molecules
		Properties of giant ionic and covalent structures
		Diamond and graphite
<b>Quantitative chemistry</b>		Balancing equations,
		RAM and RFM calculations
		Conservation of mass

<b>Chemical changes</b>		Reactions of metals,
		Reactivity series,
		Extraction of metals,
		Reactions with acids,
		Neutralisation and pH scale
<b>Organic chemistry</b>		Crude oil
		Hydrocarbons
		Alkanes and alkenes
		Fractional distillation
		Properties of hydrocarbons
		Cracking
<b>Chemistry of the atmosphere</b>		Composition of the atmosphere
		Early atmosphere
		How oxygen increased and carbon dioxide decreased in the early atmosphere
		Greenhouse gases
		Pollutants (carbon monoxide, sulphur dioxide and nitrous oxides)

**You also need to be familiar with the Core Practicals you have completed since Year 10. There may be questions based on these experiments or applying the skills you have learnt from them. They are;**

- 1. Making salts**
- 2. Electrolysis**
- 3. Temperature changes**
- 4. Rates of reaction**
- 5. Chromatography**