

Year 10 Chemistry Preview Sheet

Exam Board: AQA

Syllabus: 8462

Module 1

C1: Atomic structure

C2: The periodic table

- Group 1 – the alkali metals
- Group 7 – the halogens
- Periodicity
- Transition elements

Module 2

C3: Structure and bonding

- States of matter
- Ionic bonding
- Covalent bonding
- Bonding in metals
- Nanoparticles

C4: Chemical calculations

- Relative masses and moles
- Equations and calculations
- The yield of a chemical reaction
- Atom economy

Module 3

C4: Chemical calculations

- Concentrations
- Titrations
- Volumes of gases
- Earth's atmosphere
- Greenhouse gases
- Climate change
- Atmospheric pollutants

Module 4

C14: Earth's resources

- Extracting metals from ores

C15: Using our resources

- Rusting
- Useful alloys

C5: Chemical changes

- Extracting metals
- Reactivity series
- Displacement reactions
- Salts
- Neutralisation and the pH scale
- Strong and weak acids

Module 5

C6: Electrolysis

C7: Energy changes

- Chemical cells and batteries
- Fuel cells

Module 6

Required practical completion and revision of the year

