

Chemistry Year 10

Year 10 students should use their textbooks and supporting information in their exercise books to revise material for the end of year Chemistry exam.

**Please note the material that should be covered for each class:

Black = all classes to revise

Orange = sets A and B

Blue = sets C and D

Chapter 3: Structure and Bonding

C3.1 States of matter

C3.2 Atoms into ions

C3.3 Ionic bonding

C3.4 Giant ionic structures

C3.5 Covalent Bonding

C3.6 Structure of simple molecules

C3.7 Giant covalent structures

C3.8 Fullerenes and graphene

C3.9 Bonding in metals

C3.10 Giant metallic structures

C3.11 Nanoparticles (A and B set only)

Chapter 4: Chemical Calculations

C4.1 Relative masses

C4.1 Moles (A and B set only)

C4.2 Equations and calculations

C4.3 From masses to balanced equations (A and B set only)

C4.4 Yield (A and B set only)

C4.5 Atom economy (A and B set only)

C4.6 Expressing concentrations

C4.7 Titrations (A and B set only)

C4.8 Titration calculations (A and B set only)

C4.9 Volume of gases (A and B set only)

Chapter 5: Chemical Changes

C5.1 Reactivity series

C5.2 Displacement reactions

C5.3 Extracting metals

C5.4 Salts from metals (C and D set only)

C5.5 Salts from insoluble bases (C and D set only)

C5.6 Making more salts (C and D set only)

C5.7 Neutralisation and the pH scale (C and D set only)

Chapter 6: Electrolysis

C6.1 Introduction to electrolysis

C6.3 The extraction of aluminium (C and D set only)

C6.4 Electrolysis of solutions (C and D set only)