

AQA GCSE TRIPLE CHEMISTRY PAPER 1 REVISION CHECK-LIST

Atomic Structure and The Periodic Table

Atomic Number and Mass Number

Isotopes

Relative Atomic Mass

Mendeleev's Periodic Table

The Modern Periodic Table

Electronic Structure

Metals and Non-Metals

Group 0 – Physical and Chemical

Group 1 – Physical and Chemical

Group 7 – Physical and Chemical

Group 7 – Displacement Reactions

Transition Metals (T)

Structure of the Atom

Bonding, Structure and Matter

Solids, Liquids and Gases

Change of State

Forming Ions

Forming Ionic Bonds

Ionic Lattice

Properties of Ionic Compounds

Covalent Bonds

Modelling Molecules

Drawing Dot and Cross Diagrams

Interpreting Dot and Cross Diagrams

Properties of Substances with Small Molecules

Substances with Many Covalent Bonds

Diamond and Graphite

Graphene and Fullerenes

Polymers

Structure and Bonding in Metals

Alloys

Nanoscience (T)

Nanoparticle Materials (T)

Quantitative Chemistry

Relative Formula Mass

Law of Conservation of Mass

Chemical Measurements

Concentration of Solutions

The Mole

Moles and Masses

Calculations

Reactions and Moles

Calculating Concentrations

Volume of Solutions

Atom Economy (T)

Percentage Yield (T)

Reaction Pathways (T)

Avogadro's Law (T)

Molar Gas Volume (T)

Calculations Involving

Molar Volume (T)

Chemical Changes

Reactivity Series of Metals

Oxidation, Reduction and Displacement

Extracting Iron and Copper

Extracting Aluminium

Acidic and Alkaline Solutions

Neutralisation

Reactions of Acids with Metals

Naming Salts

Making Soluble Salts

Making Salts (Required Practical)

Concentration and Strengths of Acids

Electrolysis of Molten Salts

Electrolysis of Solutions

Electrolysis (Required Practical)

Oxidation and Reduction in Electrolysis

Making Salts from Acids and Alkalis (T)

Titration (Triple Required Practical)

Titration Calculations (T)

Energy Changes

Reactions and Temperature Changes

Temperature Changes (Required Practical)

Reaction Profiles

Explaining Energy Changes

Calculating Energy Changes

Chemical Cells (T)

Fuel Cells (T)

Evaluating Different Cells (T)

You can use the GCSE science (trilogy) website to revise each section:

<https://www.bbc.co.uk/bitesize/subjects/zs6hvcw>