

Biology Paper 1:

Microscopes and magnification

Cells and Cell structure

Enzymes

Mitosis

Growth

Nervous System

Meiosis

DNA

Genes and Inheritance

Variation

Evolution

Classification

Health and Disease

Biology Paper 2:

Photosynthesis

Transpiration

Hormones

Menstrual Cycle

Controlling Blood Glucose

The Heart and Circulation

Respiration

Ecosystems and Food chains

Abiotic / Biotic Factors

Parasitism and Mutualism

Biodiversity

Carbon / Water / Nitrogen Cycle

Chemistry Paper 1

States of Matter
Separating Techniques
Drinking (Potable) Water
Structure of Atom
Atomic and Mass Number
Isotopes
Elements and the Periodic Table
Electronic Configuration
Ionic Bonding
Covalent Bonding
Allotropes of Carbon
Properties of Metals
Bonding Models
Acids and Alkalis
Bases and Salts
Neutralisation
Reactions of Acids with Metal and Carbonates
Solubility
Electrolysis
Reactivity
Ores / Oxidation and Reduction
Life Cycle Assessment / Recycling

Chemistry Paper 2

Structure of Atom
Atomic and Mass Number
Isotopes
Elements and the Periodic Table
Electronic Configuration
Ionic Bonding
Covalent Bonding
Allotropes of Carbon
Properties of Metals
Bonding Models
Masses and Empirical Formula
Conservation of Mass
Moles
Group 1 / 7 / 0
Rates of Reaction
Catalysts and Activation Energy
Exothermic and Endothermic Reactions
Energy changes in Reactions
Hydrocarbons
Fractional Distillation
Alkanes
Combustion
Atmosphere over time
Climate Change

Physics Paper 1:

Vectors and Scalars

Distance/Time graphs

Acceleration

Velocity/Time Graphs

Resultant Forces

Mass and Weight

Newtons 3 Laws

Momentum

Stopping Distances

Crash Hazards

Energy Stores and Transfers

Energy Efficiency

Keeping Warm

Renewable / Non-renewable Energy

Waves

Wave Speed

Refraction

Physics Paper 2:

Work and Power

How forces affect objects

Vectors

Electric Circuits

Current and Potential Difference

Current / Charge / Energy

Resistance

Transferring Energy

Power

Electrical Safety

Magnets and Magnetic Fields

Electromagnetism

Magnetic Forces

Transformers

Particles and Density

Energy and Changes of State

Gas Temperature and Pressure

Bending and Stretching (Hookes Law)

Extension and energy transfers