

Your journey continues onto Year 11 Science

Species distribution

Predator-prey relationships

Food chains and food webs

Adaptations

Biotic and abiotic factors

Ecosystems

Circuits

P4.5 Radiation

Atomic Theory

Radiation

Half life

B4.5 Ecology

Power

Resistance in components

Ohms law and resistance

P4.4 Electric circuits

Investigating temperature change

Bond energy (HT only)

Exothermic and endothermic

C4.4 Energy changes

Risk factors

Communicable disease

Human defence systems

Vaccination

Antibiotics

Drug development

Staying healthy

B4.4 Health and Disease

Hooke's Law

Work done

Momentum (HT only)

Stopping distance

Newton's Law

Terminal velocity

6.02 x 10²³ atoms = 1 MOLE



Acid + Alkali → Salt + Water

nitric acid + potassium hydroxide → potassium nitrate + Water

Concentration

Limiting reactants (HT only)

Acids, alkalis and neutralisation

P4.3 Movement

Moles (HT only)

C4.3 Quantitative Chemistry

Water Cycle

Carbon Cycle

Photosynthesis

Transpiration

B4.3 Plant and Material Cycling

Kinetic energy

Elastic potential energy

GPE

Power

Efficiency

Resources

P4.2 Energy conservation

Recycling metals

Electrolysis

Displacement Reactions

Ionic equations (HT only)

Extracting metals

C4.2 Extraction of metals



most reactive
Na
Ca
Mg
Al
C
Zn
Fe
Sn
Pb
H
Cu
Ag
Au
Pt
least reactive

Metabolism

Respiration

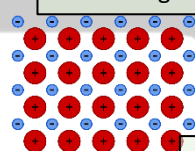
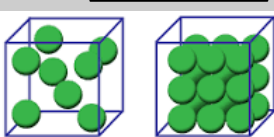
B4.2 Circulation and Respiration

Pressure

Density

P4.1 Matter

Metallic Bonding



Allotropes of Carbon

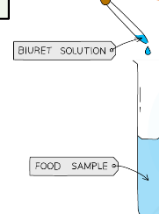
C4.1 Structure and Bonding

Ionic Bonding

Covalent Bonding

Enzymes RP

Enzymes



Food Tests

Digestion and absorption

The Digestive System

Your journey starts here!

B4.1 The digestive system