

Science Key Vocabulary Lists

Year 10

Biology

Bioenergetics

Photosynthesis	Respiration	Limiting Factor	Rate of Reaction
Light intensity	Glucose		Chlorophyll
Transpiration	Translocation	Xylem	Phloem

Health and Disease

Chronic disease	Microorganisms	Communicable disease	Non- communicable disease
	Vaccination	Immune system	Epidemic
Bacteria	Virus	Fungus	

The Nervous System

Senses	Sense Organ	Stimulus	Sensory Neuron
Motor Neurone	Relay Neurone	Receptor	Effector
Reflex action	CNS	Coordinator	Synapse

The Endocrine System

Hormones	Menstrual Cycle	Contraceptives	Thyroxine
Adrenalin	Insulin	IVF	Blood Glucose
Body Temperature	Glucagon		Pituitary Gland

Organisms and their Environment

Competition		Biotic	Abiotic
Quadrat	Transect	Mean	Sampling
Water Cycle	Carbon Cycle	Food Chain	Random

Chemistry

Earth Metals

Metal Ore	Reactivity series	Oxidation	Reduction
Displacement	Phytomining	Bioleaching	Copper rich ores
Low grade ores		Recycling	

Electrolysis

Electrolysis	Electrode	Electrolyte	
	Half equation	Molten	Aqueous (solution)
	Cryolite	Hydrogen ions	Hydroxide ions

Crude Oil

alkane	alkene	bond	hydrocarbon
pollutant	cracking		
	Fractional distillation	Acid rain	particulates

Energy and Equilibrium

equilibrium	reversible	Activation energy	enthalpy
equilibrium	irreversible	Reactants	

Chemistry Calculations

Relative formula mass	Percentage mass	Moles	
Limiting reactants	Balanced equations	Symbol equations	Word equations

Earth's Atmosphere

Fossil fuels	Climate change	Carbon footprint	Combustion
Emit		Global dimming	Global warming

Physics

Energy Equations

Kinetic Energy	Gravitational Potential Energy	Velocity	Joules
	Spring Constant	Elastic Energy	Extension
Gravitational field strength	Inelastic	Directly Proportional	Elastic Deformation

Electricity - Components

Thermistor	Light-dependent Resistor	Diode	Light Emitting Diode
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Nuclear Radiation

Isotopes	Alpha	Beta	Gamma
Nucleus	Radioactive	Contamination	Ionising
Decay	GM Tube	Irradiation	Penetrating

Forces - Interactions

Resultant	Air Resistance	Thrust	Upthrust
Vector	Scalar	Magnitude	Displacement
Balanced Forces	Unbalanced Forces		

Forces - Motion

Kinetic Energy	Speed	Acceleration	Thinking Distance
Graph	Distance	Time	Gradient
	Braking Distance		

Forces - Newton's Laws

Stationary	Mass	Safety Features	Impact Force
Momentum	Motion	Collisions	Explosions