

YEAR 10 BIOLOGY LEARNING JOURNEY



Y10

4.1.1 CELL STRUCTURE

4.1.2 CELL DIVISION

4.2.2 ANIMAL ORGANS
SYSTEMS

4.2.1 PRINCIPLES OF
ORGANISATION

4.1.3 TRANSPORT IN CELLS

4.2.3 PLANT ORGANS

4.3.1 COMMUNICABLE
DISEASES

4.3.2 MONOCLONAL
ANTIBODIES (HT)

4.4.2 RESPIRATION

4.4.1
PHOTOSYNTHESIS

4.3.3 PLANT DISEASE

4.5.1 HOMEOSTASIS

4.5.2 HUMAN
NERVOUS SYSTEM

4.5.3 HORMONAL
COORDINATION

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4.5.4 PLANT HORMONES



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YEAR 10 CHEMISTRY LEARNING JOURNEY



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4.1.1 ATOMIC STRUCTURE

4.1.2 THE PERIODIC TABLE

4.2.3 STRUCTURE &
BONDING OF CARBON

4.2.2 STRUCTURE &
PROPERTIES

4.2.1 BONDING

4.2.4 PROPERTIES OF
MATTER

4.4.1 REACTIVITY OF
METALS

4.4.2 REACTIONS OF
ACIDS

4.3.2 AMOUNT OF
SUSTANCE

4.3.1 CHEMICAL
MEASUREMENTS

4.4.3 ELECTROLYSIS

4.3.3 YIELD AND
ATOM ECONOMY

4.3.4
CONCENTRATIONS

4.3.5 VOLUME OF
GASES

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4.5.2 CHEMICAL
CELLS

4.5.1 ENERGY
CHNAGES



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YEAR 10 PHYSICS LEARNING JOURNEY



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4.1.1 ENERGY CHANGES

4.1.2 CONSERVATION
OF ENERGY

4.3.2 INTERNAL ENERGY

4.3.1 PARTICLE MODEL

4.1.3 ENERGY RESOURCES

4.3.3 PRESSURE

4.2.1 CURRENT, POTENTIAL
DIFFERENCE & RESISTANCE

4.2.2 SERIES & PARALLEL

4.2.5 STATIC ELECTRICITY

4.2.4 ENERGY TRANSFERS

4.2.3 DOMESTIC SAFETY

4.4.1 ATOMS & ISOTOPES

4.4.2 NUCLEAR RADIATION

4.4.3 HAZARDS AND
USES

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4.6.1 WAVES

4.4.4 NUCLEAR
FISSION AND FUSION



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4.5.1 HOMEOSTASIS

4.5.2 HUMAN
NERVOUS SYSTEM

4.6.1 REPRODUCTION

4.5.4 PLANT
HORMONES

4.5.3 HORMONAL
COORDINATION

4.6.2 VARIATION

4.6.3 EVOLUTION

4.6.4 CLASSIFICATION

4.7.3 BIODIVERSITY

4.7.2 ORGANISATION
OF AN ECOSYSTEM

4.7.1 ADAPTATIONS &
INTERDEPENDENCE

4.7.4 TROPHIC LEVELS

4.7.5 FOOD
PRODUCTION



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4.6.1 RATES OF
REACTION

4.6.2 REVERSIBLE
REACTIONS

4.8.3 IDENTIFICATION OF IONS

4.8.2 TESTING
FOR GASES

4.8.1 PURITY, FORMULATIONS
& CHROMATOGRAPHY

4.7.1 CHEMICAL
COMPOUNDS

4.7.2 REACTIONS OF
ALKENES & ALCOHOLS

4.7.3 POLYMERS

4.9.3 ATMOSPHERIC
POLLUTANTS

4.9.2 GREENHOUSE
GASES

4.9.1 EARTH'S
ATMOSPHERE

4.10.1 EARTH'S
RESOURCES

4.10.2 RECYCLING

4.10.3 USING MATERIALS

4.10.4 HABER PROCESS



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YEAR 11 PHYSICS LEARNING JOURNEY



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4.6.1 WAVES

4.6.2 ELECTROMAGNETIC
WAVES

4.5.2 WORK DONE

4.5.1 FORCES & THEIR
INTERACTIONS

4.6.3 BLACK BODY
RADIATION

4.5.3 FORCES & ELASTICITY

4.5.4 MOMENTS,
LEVERS & GEARS

4.5.6 FORCES &
MOTION

4.7.2 THE MOTOR
EFFECT

4.7.1 MAGNETISM

4.5.5 MOMENTUM

4.7.3 INDUCED POTENTIAL

4.8.1 SOLAR SYSTEM

4.8.2 RED SHIFT



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