

The Orme Academy: Science Year 11

Your journey continues onto Further Education

Revision



Testing for gases

Chromatography

Distillation

Pure substances and formulations

C5.4 Chemical Analysis

Classification

Fossils and extinction

Evolution

Natural selection

Pre-Public Exams (Paper 2s)

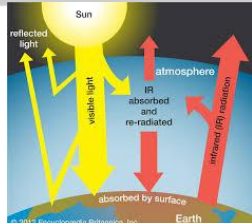
B5.4 Evolution

Atmospheric pollutants

Looking to the future

Carbon footprint

Global climate change



The greenhouse effect

The changing atmosphere

Earth's early atmosphere

C5.3 Our Atmosphere

B5.3 Controlling Nature

The human genome

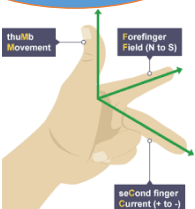
Selective breeding

Genetic engineering

Cloning and stem cells

(HT) the motor effect

(HT) Fleming's left-hand rule



Electromagnets

Earth's magnetic field

Magnetism

P5.2 Force Fields

Pre-Public Exams (Paper 1s)

Rate graphs (HT) tangents

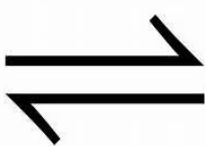
Rates of reaction RP

Reversible reactions and equilibrium

(HT) Le Chatelier's principle

Catalysts

Surface area and pressure

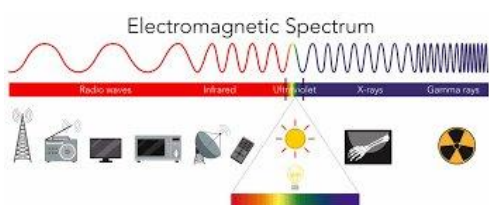


Temperature and concentration

Collision theory

C5.2 Controlling Reactions

(HT) fertility treatment and IVF



Contraception

(HT) hormonal control of the menstrual cycle

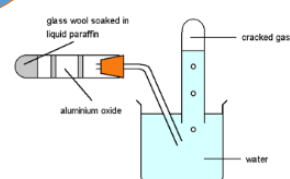
B5.2 Controlling Reproduction

Hormones in human reproduction

Uses of the EM spectrum

The EM spectrum

Investigating infrared radiation



P5.1 Electromagnetic Radiation

Polymers

Cracking

Combustion of hydrocarbons

Fractional distillation

Crude oil and hydrocarbons

C5.1 Carbon chemistry

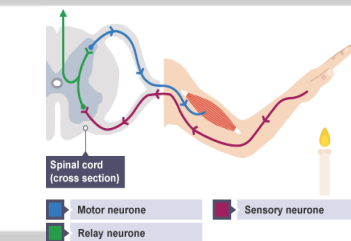
Blood glucose and diabetes

(HT) negative feedback

Endocrine system

Human reaction time

Synapses



Reflex arc

The nervous system

Homeostasis

Your journey starts here!

B5.1 Feedback and Control