

Advanced Level Syllabus Biology Zimsec

[#Zimsec Advanced Level Biology](#) [#A Level Biology Syllabus Zimbabwe](#) [#Biology Curriculum Zimsec](#) [#Advanced Level Biology Study Guide](#) [#Zimsec A Level Exams Biology](#)

Explore the comprehensive Zimsec Advanced Level Biology syllabus, designed to equip students with an in-depth understanding of biological principles. This A Level Biology curriculum covers essential topics crucial for higher education and careers in life sciences, preparing students for rigorous examinations and fostering critical scientific thinking.

Each syllabus includes objectives, reading lists, and course assessments.

We sincerely thank you for visiting our website.

The document Zimsec Advanced Level Biology Syllabus is now available for you. Downloading it is free, quick, and simple.

All of our documents are provided in their original form.

You don't need to worry about quality or authenticity.

We always maintain integrity in our information sources.

We hope this document brings you great benefit.

Stay updated with more resources from our website.

Thank you for your trust.

This document is highly sought in many digital library archives.

By visiting us, you have made the right decision.

We provide the entire full version Zimsec Advanced Level Biology Syllabus for free, exclusively here.

Advanced Level Syllabus Biology Zimsec

Education in Sri Lanka. The GCE Ordinary-Level qualification is offered by the Zimbabwe School Examinations Council (ZIMSEC). Before, this qualification was jointly... 13 KB (1,387 words) - 05:07, 22 January 2024

their qualification. The GCE Advanced Level qualification is offered by the Zimbabwe School Examinations Council (ZIMSEC). Before, this qualification... 40 KB (3,830 words) - 23:00, 9 March 2024

high School follows the syllabus of the Zimbabwe school examination Council (ZIMSEC) for GCE Ordinary level and Advanced Level. They offer subjects that... 10 KB (1,085 words) - 16:33, 22 October 2023

ZIMSEC O LEVEL COMBINED SCIENCE SYLLABUS (BIOLOGY) Full video - ZIMSEC O LEVEL COMBINED SCIENCE SYLLABUS (BIOLOGY) Full video by Faume Media Educational Tv 2,228 views 11 months ago 25 minutes - Lecturer Mr T Chikoko Crew behind the camera :Faume crew Studio:Faume Studio Contact us : faumemedia@gmail.com.

Introduction

Cell Structure and Function

Nutrition

Human Nutrition

Respiratory System

Transport Systems

Reproductive Systems

placenta

health diseases

ZIMSEC June 2023, Biology paper 1, Solved Full paper - ZIMSEC June 2023, Biology paper 1, Solved Full paper by Maths with Eve 1,557 views 7 months ago 33 minutes

Advanced Level Biology Revision Phase1 - Advanced Level Biology Revision Phase1 by MINESEC DISTANCE LEARNING 5,479 views 3 years ago 1 hour, 3 minutes - Revision lessons for **advanced**

level biology,. It covers the following: Structure and composition of living things 1. Cellular ...
 GCE|| Biology Paper 2, 2020 question 1 - GCE|| Biology Paper 2, 2020 question 1 by Jacob Sichamba
 Online Math 61,797 views 1 year ago 2 minutes, 6 seconds - ... chamber Jacob we've got this question
 which we are going to answer and this question is coming from **a biology**, paper 2 2020.
 A Level Chemistry is EFFORTLESS Once You Learn This - A Level Chemistry is EFFORTLESS
 Once You Learn This by Gradefruit 29,363 views 9 months ago 5 minutes, 30 seconds - This is for
 those who are struggling to figure out how to self-study **A Level**, H2 Chemistry. #singapore #alevels
 #chemistry.
 President Mnangagwa Powerful Preaching at Methodist Church in Zimbabwe Kuwadzana - President
 Mnangagwa Powerful Preaching at Methodist Church in Zimbabwe Kuwadzana by Rory Studios
 News 3,419 views 2 days ago 46 minutes - President Mnangagwa Powerful sermon at Methodist
 Church in Zimbabwe Kuwadzana.
 Zim Education Faces Total Collapse As Teachers Down Tools - Zim Education Faces Total Collapse
 As Teachers Down Tools by HD News 35 views 21 hours ago 3 minutes, 34 seconds - Zim Education
 Faces Total Collapse As Teachers Down Tools - The already fragile education system risks total
 collapse as ...
 Animal cells vs plant cells | What's the difference? | Anatomy & function - Animal cells vs plant cells
 | What's the difference? | Anatomy & function by Learn Easy Science 213,215 views 2 years ago 8
 minutes, 4 seconds - We hope you enjoyed this video! If you have any questions please ask in the
 comments.
 Animal cell
 Red blood cell
 Plant cell
 Phloem cell
 JAMB CBT Biology 2023 Past Questions 1 - 20 - JAMB CBT Biology 2023 Past Questions 1 - 20 by
 Myschool 3,974 views 11 days ago 19 minutes - Watch this video showing detailed (step by step)
 explanations and solutions to the 2023 JAMB CBT **Biology**, Past Questions, ...
 11 Secrets to Memorize Things Quicker Than Others - 11 Secrets to Memorize Things Quicker Than
 Others by BRIGHT SIDE 21,102,006 views 6 years ago 10 minutes, 45 seconds - We learn things
 throughout our entire lives, but we still don't know everything because we forget **a**, lot of information.
 Bright Side ...
 Why we forget things
 How to remember everything
 How to memorize something quickly
 How to memorize something for a long time
 Try to understand what you learn
 Learn the most necessary information
 Serial position effect
 Interference theory
 Learn opposite things
 Use «nail words»
 Make up stories
 Use a tape recorder
 Visualize
 Choose only the best materials
 JAMB Biology 2024 EP 2 - Systematics (Taxonomy, Binomial Nomenclature) + Likely Exam Ques-
 tions - JAMB Biology 2024 EP 2 - Systematics (Taxonomy, Binomial Nomenclature) + Likely Exam
 Questions by O3SCHOOLS 6,239 views 5 months ago 9 minutes, 42 seconds - This is the 2nd
 Episode of our JAMB **Biology**, Online Tutorials In this Episode, we learn about Systematics which
 includes ...
 Chemistry exam revision - Chemistry exam revision by P.V.S THE TUTOR ZAMBIA - LEARNING
 ACADEMY 65,755 views 3 years ago 5 minutes, 13 seconds - Chemistry- revision.
 How I got an A* in A Level Biology. (the struggle) || Revision Tips, Resources and Advice! - How I got
 an A* in A Level Biology. (the struggle) || Revision Tips, Resources and Advice! by UnJaded Jade
 480,764 views 4 years ago 10 minutes, 45 seconds - A Level Biology,. Wow, what an experience... I
 hope you enjoy this video with tips and advice on how I somehow got an A* in A ...
 Revision Techniques
 Diagram Association
 PAST PAPERS

How to Study 1 Day Before Exam - How to Study 1 Day Before Exam by Manocha Academy 2,132,297 views 4 years ago 8 minutes, 9 seconds - How to Study 1 Day Before Exam : Power Tips on how to Study One Day before Exam are discussed! If your exam is tomorrow or ...

Introduction

What to use for revision

Revision on the last day

Revision

Questions and sums

Test papers

Sleep

Relax

ALL of CIE IGCSE Biology! | The ONLY revision video you need! | 2023 onwards | 0970 / 0610 - ALL of CIE IGCSE Biology! | The ONLY revision video you need! | 2023 onwards | 0970 / 0610 by Science with Hazel 211,674 views 2 years ago 3 hours, 25 minutes - For private tuition and my Perfect Answer revision guides, visit www.swhlearning.co.uk This video is suitable sitting Cambridge ...

HOW I GOT A* IN A LEVEL BIOLOGY | TOP revision tips, resources, notes & websites to ace your exams! - HOW I GOT A* IN A LEVEL BIOLOGY | TOP revision tips, resources, notes & websites to ace your exams! by Lulu Halim 69,423 views 1 year ago 8 minutes, 58 seconds - These are my TOP TIPS for bagging that A* in **A level biology**,! I hope you found this video useful and make sure to check out the ...

Intro

Websites

Notes

Tips

The Whole of AQA A-Level Biology | Exam Revision for Papers 1, 2 and 3 - The Whole of AQA A-Level Biology | Exam Revision for Papers 1, 2 and 3 by Primrose Kitten Academy | GCSE & A-Level Revision 27,952 views 10 months ago 11 hours, 6 minutes - This video concisely and with detail covers the content for the AQA **A,-Level Biology**, exams 2023 Predicted Exam Papers for GCSE ...

Start

Topic 1 - Biological Molecules

Bonding in biological molecules

Monomers and Polymers

Carbohydrates

Lipids

Proteins

Biuret test for proteins

Protein structures

Enzymes

Nucleotides

RNA

DNA replication

Adenosine triphosphate – ATP

Water

Inorganic ions

Topic 2 - Cells

Structure of viruses

Very small units

Types of microscopes

Separating cell components

The cell cycle

Required Practical 2 - Preparation of stained squashes of cells from plant root tips

Cancer

Binary fission in prokaryotic cells

Virus replication

Cell recognition and the immune system

Required Practical 3 - Production of a dilution series of a solute to produce a calibration curve with which to identify the water potential of plant tissue

Osmosis

Required Practical 4 - Investigation into the effect of a named variable on the permeability of

cell-surface membranes

Diffusion

Antigens

Phagocytosis

Lymphocytes

Antibodies

Vaccines and immunity

HIV and AIDS

Monoclonal antibodies and ELISA tests

Topic 3 - Organisms exchange substances with their environment

Surface area to volume ratio

Gas exchange

Digestion

Required practical 5 - Dissection of animal or plant respiratory system or mass transport system

Mass transport

Topic 4 - Genetic information, variation and relationships between organisms

DNA, genes and chromosomes

Natural selection

Genetic diversity

Directional and stabilizing selection

Antibiotic resistance

Required Practical 6 - Use of aseptic techniques to investigate the effect of anti-microbial substances on microbial growth (Part 1)

Required Practical 6 - Use of aseptic techniques to investigate the effect of anti-microbial substances on microbial growth (Part 2)

Species and taxonomy

Biodiversity within a community

Investigating diversity

Topic 5 - Energy Transfers in and between organisms (A-Level only)

Required Practical 7 - Use of chromatography to investigate the pigments isolated from leaves of different plants

Chloroplast Structure and Adaptations

Photosystems and pigments

Photosynthesis

Required Practical 8 - Investigation into the effect of a named factor on the rate of dehydrogenase activity in extracts of chloroplasts

Respiration

Required Practical 9 - Investigation into the effect of a named variable on the rate of respiration of cultures of single-celled organisms

Energy transfers in ecosystems

The nutrient cycle

Topic 6 - Organisms respond to changes in their internal and external environments (A-Level only)

Stimuli, both internal and external lead to a response

Required Practical 10 - Investigation into the effect of an environmental variable on the movement of an animal using either a choice chamber or a maze

Control of heart rate

Chemoreceptors and pressure receptors

Nervous coordination and skeletal muscles

Homeostasis

Required Practical 11 - Production of a dilution series of a glucose solution

Osmoregulation

Topic 7 - Genetics, populations, evolution and ecosystems (A-Level only)

Inheritance

The Hardy-Weinberg principle

Variation and Natural Selection

Ecosystems, populations and communities

Population sampling - Required Practical

Population estimation by mark-release-recapture

Succession

Conservation of habitats

Topic 8 - The control of gene expression (A-Level only)

Gene mutations

Stem cells

Transcriptional factors and gene expression

RNAi

Epigenetics

Gene Expression and Cancer

Genomes

Recombinant DNA

PCR

Genetic screening

Genetic fingerprinting

Exams 2023 - AQA paper 1 (or ENTIRE AS LEVEL) - Learn all the theory for the exam - Exams 2023

- AQA paper 1 (or ENTIRE AS LEVEL) - Learn all the theory for the exam by Miss Estruch 129,442

views 10 months ago 3 hours, 9 minutes - This video goes through ALL the theory for AQA **A-level**,

Topics 1-4, which is needed for paper 1 or for the entire AS Exam.

Introduction

Topic 1

Topic 2

Topic 3

Topic 4

2023 GCE 10 key topics revision and focus...to make you pass - 2023 GCE 10 key topics revision and

focus...to make you pass by Jacob Sichamba Online Math 24,850 views 9 months ago 3 minutes, 50

seconds - ... tuitions as JS Learning Academy we've got mathematics English uh civic education r e

Science **Biology**, addition of mathematics ...

Vlog: 7 easy tips on how to pass your ZIMSEC final exams - Vlog: 7 easy tips on how to pass your

ZIMSEC final exams by being michiemmm 7,827 views 1 year ago 17 minutes - DISCLAIMER<Tips

here are purely subjective based on my experience hie there, hope you are good. I assume you ...

A level Biological Molecules - Learn the ENTIRE topic in this video. AQA A level Biology Revision -

A level Biological Molecules - Learn the ENTIRE topic in this video. AQA A level Biology Revision

by Miss Estruch 252,536 views 2 years ago 37 minutes - Hello! In this video, I go through all the key

information for **A level Biology**, topic 1 - **Biological**, Molecules. If you want to watch the ...

Intro

Monomers and polymers

Glucose - isomers same molecular formula different structure

Disaccharides Made of two monosaccharides

Polysaccharides

Triglycerides and Phospholipids

Properties of Triglycerides How the triglyceride structure results in its properties

Properties of Phospholipids

Proteins-Amino Acids are the monomers

Enzymes Enzymes are tertiary structure proteins which lower activation energy of the reactions they catalyse.

Models of Enzyme Action The models to explain how enzymes function change over time

Test for reducing sugars

Test for proteins

DNA Nucleotide The monomer that makes up DNA is called a nucleotide. It is made up of deoxyribose (a pentose sugar), a nitrogenous base and one phosphate group.

Polynucleotides The polymer of nucleotides is called a polynucleotide

RNA RNA is a polymer of a nucleotide formed of ribose, a nitrogenous base and a phosphate group The nitrogenous bases in RNA are adenine, guanine, cytosine and uracil. RNA has the base uracil instead of thymine. In comparison to the DNA polymer, the RNA polymer is a relatively short polynucleotide chain and it

Evidence for semi-conservative replication

ATP - nucleotide Derivative

Five Key Properties of Water Water is an incredibly important biological molecule, which is why about 60-70% of your

Inorganic Ions

Cells - O level Biology(ZIMSEC) - Cells - O level Biology(ZIMSEC) by Biology made easy Zim 149 views 7 months ago 19 minutes - Cells. **Zimsec**, ordinary **level biology**, and combined sciences. #ordinary #**biology**, #**zimsec**, #zimbabwe #cell.

Search filters

Keyboard shortcuts

Playback

General

Subtitles and closed captions

Spherical videos