

# EDEXCEL AS BIOLOGY REVISION (DOWNLOAD ONLY)

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----- I don't ...

Intro

Plant structure, transpiration \u0026amp; translocation

Leaf structure

Photosynthesis, rate \u0026amp; limiting factors

Plant hormones, phototropism \u0026amp; gravitropism

Homeostasis

Thermoregulation

Endocrine system

Controlling blood sugar, insulin \u0026amp; diabetes

Osmoregulation \u0026amp; controlling nitrogen levels

Adrenaline \u0026amp; thyroxine

Kidneys

Menstrual cycle

Contraception

Fertility treatments

Heart

Circulatory system

Respiratory system

Respiration \u0026amp; metabolism

Ecosystems \u0026amp; sampling with quadrats

Food chains

Carbon \u0026amp; water cycles

Potable water

Nitrogen cycle \u0026amp; eutrophication

Biodiversity \u0026amp; human impact

Biomass \u0026amp; food security

A Level Biology Revision \"Endocytosis and Exocytosis OCR / Edexcel\" - A Level Biology Revision

\"Endocytosis and Exocytosis OCR / Edexcel\" by Freesciencelessons 34,594 views 2 years ago 3 minutes, 26 seconds - In this video, we look at endocytosis and exocytosis, which are also called bulk transport. First we look at how endocytosis is used ...

Endocytosis and Exocytosis

Endocytosis

Invagination

Types of Endocytosis

Endocytosis and Exocytosis Require Energy

A level Biology Revision \"The Cardiac Cycle\" - A level Biology Revision \"The Cardiac Cycle\" by Freesciencelessons 52,168 views 1 year ago 2 minutes, 51 seconds - In this video, we look at the cardiac cycle. I take you through the events taking place during the cardiac cycle, including atrial and ...

The Cardiac Cycle

Key Words

Atrial Systole

Ventricular Systole

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 251,226 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  
All of Edexcel BIOLOGY in 45 mins - International iGCSE Science Revision - All of Edexcel BIOLOGY in 45 mins - International iGCSE Science Revision by Science Shorts 269 views 8 days ago 45 minutes - UK **Edexcel**.: <https://www.youtube.com/playlist?list=PLGvD8d3gDHUUh7zv4T9s1D8a-dNDPYU8x> ...  
Intro  
Microscopes  
Cell biology \u0026amp; structures  
Differentiation  
Diffusion, osmosis \u0026amp; active transport  
Organisation  
Digestive system  
Enzymes  
Diet \u0026amp; nutrition  
Respiratory system  
Heart  
Circulatory system  
Plant structure - transpiration \u0026amp; translocation  
Leaf structure  
Non-communicable diseases  
Communicable diseases \u0026amp; pathogens  
Defences \u0026amp; immune response  
Photosynthesis  
Respiration \u0026amp; metabolism  
Homeostasis  
Nervous system

Eye  
Thermoregulation  
Endocrine system  
Controlling blood sugar - insulin \u0026amp; diabetes  
Controlling water level \u0026amp; nitrogen levels  
Kidney function  
Menstrual cycle  
Pregnancy  
Adrenaline  
Plant hormones \u0026amp; tropism  
Meiosis  
Sexual \u0026amp; asexual reproduction  
DNA \u0026amp; protein synthesis  
Inheritance  
Variation, adaptation \u0026amp; evolution  
Genetic engineering  
Cloning  
Classification  
Ecosystems  
Food chains  
Carbon \u0026amp; water cycles  
Nitrogen cycle  
Biodiversity \u0026amp; human impact  
Biomass \u0026amp; food security  
All of AQA BIOLOGY Paper 1 in 25 minutes - GCSE Science Revision - All of AQA BIOLOGY Paper 1 in 25 minutes - GCSE Science Revision by Science Shorts 155,022 views 8 months ago 23 minutes - Test your knowledge using my super cool quiz! <https://youtu.be/WUgxIVE0LaQ> ...  
Intro  
CELLS: Microscopy  
Cell biology  
Microbiology practical (TRIPLE)  
Mitosis  
Specialisation \u0026amp; cloning  
Diffusion, osmosis \u0026amp; active transport  
ORGANISATION: Cells, tissues, organs  
Enzymes  
Food tests  
Respiratory system  
The heart  
Circulatory system  
Non-communicable diseases  
Plant structure  
Leaf structure  
INFECTION \u0026amp; RESPONSE: Communicable diseases \u0026amp; pathogens  
Defences \u0026amp; immune response  
Antibiotics \u0026amp; drug development  
Monoclonal antibodies (TRIPLE)  
BIOENERGETICS: Photosynthesis  
Respiration \u0026amp; metabolism  
HOW I GOT A\* IN A LEVEL BIOLOGY | TOP revision tips, resources, notes \u0026amp; websites to ace your exams! - HOW I GOT A\* IN A LEVEL BIOLOGY | TOP revision tips, resources, notes \u0026amp; websites to ace your exams! by Lulu Halim 68,862 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  
All of Biology in 9 minutes - All of Biology in 9 minutes by Sciencephile the AI 1,839,707 views 3 years ago  
9 minutes, 31 seconds - Biology, – a beautiful field of mathematics where division and multiplication are the same thing. Since we're doing bad **biology**, ...  
How to Get All 9s in 2 Months (GCSE Tips They Don't Tell You) - How to Get All 9s in 2 Months (GCSE Tips They Don't Tell You) by Shiggs 11,781 views 5 days ago 7 minutes, 4 seconds - Resources I used in **GCSE**, (affiliate): AnkiApp (best flashcard maker) - <https://l.linklyhq.com/l/1jjoK> **Biology**, - **Revision**, guide ...  
All of Edexcel BIOLOGY Paper 1 in 30 minutes - GCSE Science Revision - All of Edexcel BIOLOGY Paper 1 in 30 minutes - GCSE Science Revision by Science Shorts 888 views 8 days ago 26 minutes - <http://scienceshorts.net> Join the Discord for support! <https://discord.gg/pyvnUDq>  
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Microscopy  
Cell biology  
Enzymes  
Food tests  
Diffusion, osmosis \u0026amp; active transport  
Mitosis  
Specialisation  
Nervous system  
The Brain  
The Eye  
Meiosis  
Sexual \u0026amp; Asexual Reproduction  
DNA \u0026amp; Protein Synthesis  
Inheritance  
Variation, Adaptation \u0026amp; Evolution  
Genetic Engineering  
Fossils  
Non-Communicable Diseases  
Pathogens \u0026amp; Communicable Diseases  
Defences \u0026amp; Immune Response  
Microbiology  
Drug development  
Monoclonal Antibodies

How To Revise A-Level Biology - TOP 5 REVISION STRATEGIES. Study tips based on neuroscience. -  
How To Revise A-Level Biology - TOP 5 REVISION STRATEGIES. Study tips based on neuroscience. by Miss Estruch 2,424 views 1 month ago 10 minutes, 29 seconds - If you want to improve your grade and work as efficiently as possible, these 5 **revision**, strategies are based on neuroscience ...  
How to get FULL MARKS in Biology GCSE ?| Answer Questions with Me ? (Get a GRADE 9) - How to get FULL MARKS in Biology GCSE ?| Answer Questions with Me ? (Get a GRADE 9) by Smile With Sola 109,393 views 1 year ago 23 minutes - Ever wonder why you keep losing marks on the question despite knowing the answer? Putting in the work for **Biology**, but still not ...

Intro  
How to ACE the Different Question Types  
High Yield Topics  
How to get FULL MARKS in GCSE Biology  
Outro

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Biostudy - Saurav Gadge 247,370 views 2 weeks ago 8 minutes, 28 seconds - Biostudy App  
<https://clpdiy17.page.link/tAkx> Class12th **Biology**, Detailed One-Shot Lectures 2024 (All Chapters) ...  
Blood Vessels: Arteries, Capillaries \u0026 Veins | A-level Biology | OCR, AQA, Edexcel - Blood Vessels:  
Arteries, Capillaries \u0026 Veins | A-level Biology | OCR, AQA, Edexcel by SnapRevise 96,871 views 4  
years ago 9 minutes, 23 seconds - SnapRevise is the UK's leading **A-level**, and **GCSE revision**, \u0026 exam  
preparation resource offering comprehensive video courses ...

Introduction

What are blood vessels

The circulatory system

Endothelium

Arteries

Arterials

Capillaries

Resistance

Valves

A Level Biology Revision \"Transcription\" - A Level Biology Revision \"Transcription\" by  
Freesciencelessons 106,051 views 3 years ago 4 minutes, 45 seconds - In this video, we look at the process of  
transcription. First, I recap the basic stages of protein synthesis and then I take you through ...

In eukaryotes, DNA is organised into chromosomes...

Genes play a key role in protein synthesis.

A key idea that you need to understand is that there are two main stages in protein synthesis.

The first stage is called transcription and this takes place in the nucleus.

The mRNA molecule then moves to the cytoplasm.

is used to join a specific order of amino acids, forming the polypeptide.

DNA helicase breaks the hydrogen bonds between the two strands.

Now complementary RNA nucleotides move into place ...

At this point, the enzyme RNA polymerase joins the RNA nucleotides ...

We've now produced a strand of messenger RNA.

If you look at the messenger RNA, you will see that the base sequence is the same as the top DNA strand ...

The mRNA is complementary to the other DNA strand...

and we call this the antisense or template strand.

Once the mRNA has been synthesised, the RNA polymerase detaches from the DNA ...

At this stage the mRNA now moves out of the nucleus through a nuclear pore.

Once in the cytoplasm, the mRNA can take part in translation.

Most mRNA molecules are hundreds of nucleotides long

In the next section, we're going to look at the role of RNA splicing

We find non-coding DNA both between genes but also within genes.

I'm showing you the structure of a gene here.

Non-coding regions within a gene are called introns ....

In humans, many genes contain a large number of introns.

During transcription, both exons and introns are copied into RNA.

Once the pre-mRNA is formed, the introns are then removed ...

Splicing converts the pre-mRNA into functional mRNA.

Some genes do not encode for polypeptides

Instead, these genes encode functional RNA molecules.

Examples of functional RNA molecules include transfer RNA and ribosomal RNA.

The WHOLE of Edexcel GCSE Biology KEY CONCEPTS - The WHOLE of Edexcel GCSE Biology KEY  
CONCEPTS by Sciences Made Easy 44,193 views 3 years ago 15 minutes - The whole of **Edexcel GCSE**

**Biology**, Key Concepts in one **revision**, video. My Website: [https://www.sciencesmadeeasy.com??? ...](https://www.sciencesmadeeasy.com???)

Cells

Specialised Cells

Microscopy

Enzymes

Food Testing

Calorimetry

Diffusion and Active Transport

Osmosis

A Level Biology Revision \"Interpreting an Electrocardiogram (OCR / Edexcel)\" - A Level Biology Revision \"Interpreting an Electrocardiogram (OCR / Edexcel)\" by Freesciencelessons 23,430 views 1 year ago 5 minutes, 34 seconds - In this video, we look at how to interpret an electrocardiogram or ECG. First we explore the features of an electrocardiogram trace ...

Bradycardia

Tachycardia

An Ectopic Heartbeat

Atrial Fibrillation

A Level Biology Revision \"Triglycerides\" - A Level Biology Revision \"Triglycerides\" by Freesciencelessons 84,482 views 3 years ago 4 minutes, 37 seconds - In this video we start looking at lipids. First we explore the general functions of lipids. Then we look at the structure of fatty acids ...

Introduction

Lipids

Structure

Fatty Acids

Formation of triglycerides

A Level Biology Revision \"Viruses\" - A Level Biology Revision \"Viruses\" by Freesciencelessons 17,005 views 9 months ago 3 minutes, 3 seconds - In this video, we look at the structure and life-cycle of viruses. First we explore the size of viruses both relative to prokaryotic cells ...

ALL unit 1 edexcel ial biology! (last minute revision notes and common past paper qs) - ALL unit 1 edexcel ial biology! (last minute revision notes and common past paper qs) by N. Ali 788 views 2 months ago 41 minutes

A Level Biology Revision \"Blood Clotting and Inflammation\" - A Level Biology Revision \"Blood Clotting and Inflammation\" by Freesciencelessons 23,210 views 1 year ago 5 minutes, 2 seconds - In this video, we look at blood clotting and inflammation. First we explore the process that takes place during blood clotting, ...

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