



# Content



**Pods**



**Check & Challenge**



**Ready Made Assignment**



**Additional Resources**



**In Production**

















































































# Biology

## Edexcel

### Getting Ready for KS4 (GCSE)

#### Getting Ready for KS4 (GCSE) Biology

Getting Ready for KS4 (GCSE)	GRF-01-001			
Diffusion and Active Transport	BIOL-2105			
Cell Differentiation	BIOL-2191			
Aerobic Respiration	BIOL-2167			
Anaerobic Respiration	BIOL-2168			
Using Energy from Respiration	BIOL-2170			
Importance of Diet	BIOL-2001			
Cell Structures and Microscopes	BIOL-2192			
The Digestive System	BIOL-2188			
Speciation	BIOL-2229			
Photosynthesis	BIOL-2087			
Natural Selection	BIOL-2049			
Products of Photosynthesis	BIOL-2089			
Variation	BIOL-2050			
Competition	BIOL-2011			
Carbon Cycle	BIOL-2084			
Human reproduction	BIOL-2234			
History of DNA	BIOL-2026			
Fertilisation and germination	BIOL-2238			
Evidence for Human Evolution	BIOL-2021			
Gas Exchange in Humans	BIOL-2172			
Menstruation	BIOL-2249			
Reproduction in plants	BIOL-2236			
Limiting Factors	BIOL-2090			
Investigate the Effect of a Factor on Human Reaction Time	BIOL-40-008			
Gas Exchange In Plants	BIOL-2110			

#### Symbol Keys



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Additional Resources

Investigating the Factors Affecting the Rate of Photosynthesis

BIOL-40-003



Investigation into Variation in Organisms

BIOL-40-017



## 1/Key concepts in biology

### 1/Key concepts in biology

Digestive Enzymes

BIOL-2176



Cell Differentiation

BIOL-2191



Cell Structures and Microscopes

BIOL-2192



Osmosis

BIOL-2092



## 2/Cells and control

### 2/Cells and control

The Central Nervous System

BIOL-2148



Growth and Multicellular Organisms

BIOL-2194



Stem Cell Technology

BIOL-2212



Synapses

BIOL-2151



Cancer

BIOL-2217



The Reflex Arc

BIOL-2149



Reflexes

BIOL-2154



Unspecialised Plant Cells

BIOL-2113



Plant Minerals

BIOL-2126



Stem Cells (Part 2)

BIOL-2015



Mapping the Brain

BIOL-2152



Receptors and Effectors

BIOL-2157



The Cell Cycle

BIOL-2003



Mitosis

BIOL-2004



The Eye

BIOL-2153



Stem Cells

BIOL-2014



Surface-Area-To-Volume Ratio

BIOL-2109



Gas Exchange In Plants

BIOL-2110



## 3/Genetics

### 3/Genetics

Cloning (Animals)

BIOL-2030



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Additional Resources

Genetic Variation	BIOL-2035			
Genes	BIOL-2052			
Meiosis	BIOL-2005			
DNA (Part 1)	BIOL-2024			
History of DNA	BIOL-2026			
DNA (Part 2)	BIOL-2025			
Alleles	BIOL-2053			
Sex Inheritance	BIOL-2055			
Variation	BIOL-2050			
Monohybrid Inheritance	BIOL-2057			
Human reproduction	BIOL-2234			

## 4/Natural selection and genetic modification

### 4/Natural selection and genetic modification

Genetic Engineering	BIOL-2027			
Darwin's Theory of Evolution (Part 2)	BIOL-2048			
The Fossil Record	BIOL-2051			
Evidence for Human Evolution	BIOL-2021			
Why do we Classify? And what is a Species?	BIOL-2137			
The Five Kingdoms	BIOL-2135			
Selective breeding	BIOL-2242			
Cloning (Plants)	BIOL-2029			
Darwin's Theory of Evolution	BIOL-2047			
Arguments For and Against GM	BIOL-2028			
Natural Selection	BIOL-2049			
Sustainability	BIOL-2125			
Towards a Sustainable Use of Resources	BIOL-2122			
Bacteria	BIOL-2041			

## 5/Health, disease and the development of medicines

### 5/Health, disease and the development of medicines

Viruses	BIOL-2043			
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#### Symbol Keys



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Additional Resources

Bacterial Growth	BIOL-2019			
Disease Prevention	BIOL-2045			
The Immune Response	BIOL-2069			
Infection	BIOL-2073			
Sexually transmitted infections	BIOL-2250			
Plant Defences and Communication	BIOL-2093			
Body Defence	BIOL-2068			
Disease Transmission	BIOL-2044			
Resistance	BIOL-2071			
Immunisation	BIOL-2016			
Immunisation Programmes	BIOL-2017			
Antimicrobials and Antibiotics	BIOL-2070			
Developing New Drugs	BIOL-2066			
Drug Trials	BIOL-2038			
Vaccines	BIOL-2072			
Monoclonal Antibodies	BIOL-2018			
Importance of Diet	BIOL-2001			
Importance of Exercise	BIOL-2002			
Heart Disease and Risk Factors	BIOL-2183			

## 6/Plant structures and their functions

### 6/Plant structures and their functions

Photosynthesis	BIOL-2087			
Plant Organs	BIOL-2106			
Products of Photosynthesis	BIOL-2089			
Transpiration	BIOL-2091			
Plant growth	BIOL-2252			
Plant Structures	BIOL-2111			
Adaptations	BIOL-2046			
Tropisms	BIOL-2077			
Extreme Conditions	BIOL-2103			
Uses of Plant Hormones	BIOL-2078			
Limiting Factors	BIOL-2090			

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Additional Resources





































## 7/Animal coordination, control and homeostasis

### 7/Animal coordination, control and homeostasis

Type 1 Diabetes	BIOL-2008			
Type 2 Diabetes	BIOL-2009			
Hormones	BIOL-2139			
Female Hormones	BIOL-2140			
Menstruation	BIOL-2249			
Controlling Fertility	BIOL-2141			
Homeostasis	BIOL-2006			
Osmoregulation	BIOL-2165			
Thermoregulation	BIOL-2007			
The Urinary System	BIOL-2160			
The Nephron	BIOL-2161			
The Kidney	BIOL-2163			
Water Regulation	BIOL-2162			
Dialysis	BIOL-2164			
Treating Infertility	BIOL-2145			

## 8/Exchange and transport in animals

### 8/Exchange and transport in animals

Respiration	BIOL-2166			
Lock-and-Key Hypothesis	BIOL-2175			
What is Blood?	BIOL-2180			
Diffusion and Active Transport	BIOL-2105			
Enzymes	BIOL-2174			
The Circulatory System	BIOL-2184			
Aerobic Respiration	BIOL-2167			
Anaerobic Respiration	BIOL-2168			
Exercise & EPOC	BIOL-2169			
Using Energy from Respiration	BIOL-2170			
Gas Exchange in Humans	BIOL-2172			
The Circulatory System (Part 2)	BIOL-2185			

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Additional Resources

## 9/Ecosystems and material cycles

### 9/Ecosystems and material cycles

Maintaining Ecosystems and Preventing Ecosystem Loss

BIOL-2115   

What Is Biodiversity?

BIOL-2075   

Pollution Indicators

BIOL-2082   

Decay Processes

BIOL-2104   


Food chains and webs

BIOL-2251   

How to do Fieldwork

BIOL-2107   

Energy Transfer

BIOL-2079   

Eutrophication

BIOL-2081   




Energy from Biomass

BIOL-2131   




Human Systems

BIOL-2117   


Fish farming

BIOL-2240   




Global Population Change

BIOL-2013   

Modern Farming

BIOL-2129   




Waste from Human Activities

BIOL-2118   

Sustainable Food

BIOL-2120   




Global Pollution

BIOL-2123   



Carbon Cycle

BIOL-2084   

Nitrogen Cycle

BIOL-2085   

The water cycle

BIOL-2233   




Decay

BIOL-2127   




## Biology Practicals

### Biology Practicals




Using a Light Microscope to Observe, Draw and Label

BIOL-40-001   




Rates of Enzyme-Controlled Reactions


BIOL-40-002   

Investigate the Relationship Between Organisms and Their Environment using Field-Work Techniques

BIOL-40-004   

Using Qualitative Reagents to Test for a Range of Carbohydrates, Lipids and Proteins  
Investigate the Effect of Antiseptics or Antibiotics on Bacterial Growth Using Agar Plates

BIOL-40-005   

BIOL-40-006   

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Additional Resources















Investigate the Effect of a Range of Concentrations of Salt or Sugar Solutions on the Mass of Plant Tissue	BIOL-40-007		
Investigate the Rate of Respiration in Living Organisms (Edexcel)	BIOL-40-009		
Investigating the Factors Affecting the Rate of Photosynthesis (Higher)	BIOL-40-019		
Investigating the Factors Affecting the Rate of Photosynthesis	BIOL-40-003		 

## Revision Skills and Tips - Biology

### Revision and Study Skills

Introduction	REV-001-004-001		
Planning for Revision	REV-001-004-002		
Developing Independent Study Skills for Success	REV-001-004-003		
Managing Exam Stress	REV-001-004-004		
Keeping Your Brain Active During Revision	REV-001-004-005		
Summary	REV-001-004-006		
Web Links	REV-001-004-007		

### Revision and Exam Tips










Introduction	REV-001-008-001		
Knowing What You Face	REV-001-008-002		
Creating a Revision Programme	REV-001-008-003		
What Techniques Should You Use to Revise Biology?	REV-001-008-004		
Exam Tips	REV-001-008-005		
Summary	REV-001-008-006		
Web Links	REV-001-008-007		

### GCSEPod's Top Revision Tips

GCSEPod's Top Revision Tips	REV-011-001		
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## Getting Ready for KS5 (A Level)

### Getting Ready for KS5 (A Level) Biology

Getting Ready for KS5 (A Level)	GRF-01-002			
Polymerisation	CHEM-2046			
Lock-and-Key Hypothesis	BIOL-2175			

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Transpiration	BIOL-2091			
Condensation polymerisation	CHEM-2149			
Diffusion and Active Transport	BIOL-2105			
Enzymes	BIOL-2174			
DNA (Part 1)	BIOL-2024			
DNA (Part 2)	BIOL-2025			
Alleles	BIOL-2053			
Cell Structures and Microscopes	BIOL-2192			
Darwin's Theory of Evolution	BIOL-2047			
Speciation	BIOL-2229			
Darwin's Theory of Evolution (Part 2)	BIOL-2048			
Variation	BIOL-2050			
Natural Selection	BIOL-2049			
Monohybrid Inheritance	BIOL-2057			
The Cell Cycle	BIOL-2003			
Mitosis	BIOL-2004			
Meiosis	BIOL-2005			
Stem Cells	BIOL-2014			
Osmosis	BIOL-2092			
Surface-Area-To-Volume Ratio	BIOL-2109			
Aerobic Respiration	BIOL-2167			
Anaerobic Respiration	BIOL-2168			
Using Energy from Respiration	BIOL-2170			
Photosynthesis	BIOL-2087			
Products of Photosynthesis	BIOL-2089			
Limiting Factors	BIOL-2090			
The Circulatory System	BIOL-2184			
The Circulatory System (Part 2)	BIOL-2185			
The Digestive System	BIOL-2188			
Gas Exchange In Plants	BIOL-2110			
Importance of Diet	BIOL-2001			
Antimicrobials and Antibiotics	BIOL-2070			
Monoclonal Antibodies	BIOL-2018			

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## Immunisation Vaccines

BIOL-2016



BIOL-2072



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