

Triple-only GCSE Biology content: Links to A-Level Biology

From the CGP GCSE Biology Revision Guide

All of p16, 17 and 18

Culturing Microorganisms

PRACTICAL

A-level Biology link: You will study this towards the end of Year 12, aseptic techniques will also be the basis of one of the Year 12 required practicals.

All of p53, 54

Monoclonal Antibodies

A-level Biology link: Immunity is a main topic in Year 12 and as part of the topic you will learn about how monoclonal antibodies are made and their uses in medicine and diagnostics.

All of p55

Plant Diseases and Defences

A-level Biology link: plant diseases and defences do not appear in the A-level Biology specification.

All of p69

The Brain

A-level Biology link: brain structure and function do not appear in the A-level Biology specification, however we do discuss the brain in relation to the nervous system and mode of action of drugs in Year 13.

All of p70 and 71

The Eye

Correcting Vision Defects

A-level Biology link: The structure of the eye and correcting vision defects do not appear in the A-level Biology specification, however the role of photoreceptors is studied in Year 13 so a knowledge of the structure of the eye is useful for this.

all of p72

Controlling Body Temperature

A-level Biology link: Homeostasis is a main topic in Year 13 within the Autumn term.

all of p75 and 76

The Kidneys

Kidney Failure

A-level Biology link: The structure and function of the kidney and kidney failure are studied in Year 13 in the Autumn term.

all of p81 and 82

Plant Hormones

Commercial Uses of Plant Hormones

A-level Biology link: Plant hormones and commercial uses of plant hormones are studied at the very beginning of Year 13.

all of p85 and 86

The Structure of DNA and Protein Synthesis

Mutations

A-level Biology link: This is studied in Year 12 in the Spring term and also forms the basis of other topics studied in Year 13.

all of p89

More on Reproduction

A-level Biology link: Sexual reproduction and its role in genetic variation is studied within the inheritance topic in Year 13.

all of p94

The Work of Mendel

all of p97

More About Evolution

A-level Biology link: The work of Mendel and evolution is studied in greater detail in Year 13 in the Spring term.

all of p100

Cloning

A-level Biology link: Cloning is also studied in greater detail in the Spring term of Year 13.

all of p102

Speciation

A-level Biology link: Speciation is also studied in greater detail in the Spring term of Year 13.

all of p114 and 115

Decay

Investigating Decay

PRACTICAL

A-level Biology link: Parts of this topic are studied in Year 13 within the Energy and Ecosystems topic.

all of p120, 121 and 122

Trophic Levels

Pyramids of Biomass

Biomass Transfer

A-level Biology link: As with decay, these sections are studied in Year 13 within the Energy and Ecosystems topic.

all of p123 and 124

Food Security and Farming

Biotechnology

A-level Biology link: Parts of this topic are studied in Year 13 within the Populations and Ecosystems topic.

Key concepts to study in the holidays

You may realise that most of the GCSE triple content topics are studied in more depth in Year 13. If you want to get a head start for Year 12, the summer homework booklet forms an ideal resource to get you going! See you in September.