

Biology revision support

National 5 Course structure

Unit 1 Cell biology

The key areas covered are: cell structure/transport across cell membranes/DNA and the production of proteins/proteins/genetic engineering/respiration.

Unit 2: Multicellular organisms

The key areas covered are: producing new cells/control and communication/reproduction/variation and inheritance/transport systems — plants/transport systems — animals/absorption of materials.

Unit 3: Life on Earth

The key areas covered are: ecosystems/distribution of organisms/photosynthesis/energy in ecosystems/food production/evolution of species.

Revision websites

SQA National 5 documents <https://www.sqa.org.uk/sqa/45725.html>

[Scholar](#) Access via GLOW tile.

[BBC Bitesize](https://www.bbc.co.uk/bitesize/subjects/zync87h) <https://www.bbc.co.uk/bitesize/subjects/zync87h>

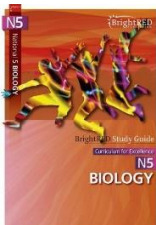
[Oronsay](http://www.oronsay.org/Nat5.htm) <http://www.oronsay.org/Nat5.htm>

[Bright Red Digital Zone](https://www.brightredbooks.net/subjects/account/register) <https://www.brightredbooks.net/subjects/account/register>

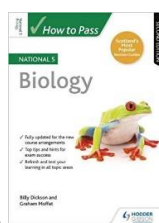
[eTextbook](https://sites.google.com/a/edubuzz.org/nat5biopl/) <https://sites.google.com/a/edubuzz.org/nat5biopl/>

[Muir Biology](https://sites.google.com/view/muirbiology/national-5-biology) <https://sites.google.com/view/muirbiology/national-5-biology>

Useful revision textbooks or guides



Bright Red Study Guide



How to Pass Hodder Gibson

Higher Course structure

Unit 1 DNA and the Genome

The key areas covered are: Structure of DNA/Replication of DNA/Gene expression/Cellular differentiation/Structure of the genome/Mutations/Evolution/Genomic sequencing

Unit 2 Metabolism and Survival

The key areas covered are: Metabolic pathways/Cellular respiration/Metabolic rate/Metabolism in conformers and regulators/Metabolism in adverse conditions/Environmental control of metabolism/Genetic control of metabolism.

Unit 3 Sustainability and Interdependence

The key areas covered are: Food supply, plant growth and productivity/Plant and animal breeding/Crop protection/Animal welfare/Symbiosis/Social behaviour/Components of biodiversity/Threats to biodiversity.

Revision websites

SQA <https://www.sqa.org.uk/sqa/47912.html>

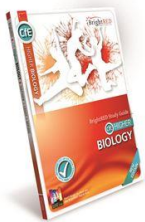
BBC Bitesize <https://www.bbc.co.uk/bitesize/subjects/zm6tyrd>

Scholar access via tile on GLOW

Oronsay <http://www.oronsay.org/Higher.htm>

Bright Red publishing <https://www.brightredbooks.net/subjects/higherbiology>

Useful revision textbooks or guides



Bright Red Study Guide



How to pass Biology Hodder Gibson

Advanced Higher course structure

Unit 1 Cells and proteins

The key areas covered are: laboratory techniques for biologists/proteins/membrane proteins/communication and signalling/protein control of cell division.

Unit 2 Organisms and evolution

The key areas covered are: field techniques for biologists/evolution/variation and sexual reproduction/sex and behaviour/parasitism.

Unit 3 Investigative biology

The key areas covered are: scientific principles and process/experimentation/reporting and critical evaluation of biological research.

Revision websites

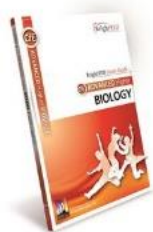
SQA <https://www.sqa.org.uk/sqa/48458.html>

Scholar access via tile on GLOW

The Biology Coach <https://sites.google.com/stirlingschools.net/the-biology-coach/home>

Brainscape <https://www.brainscape.com/packs/cfe-advanced-higher-biology-6286125>

Useful revision textbooks or guides



Bright Red Publishing Study Guide

Command words in Biology

- **identify:** name, give or state, only need single answer or present in brief form.
- **describe:** provide a statement as opposed to simply one word.
- **explain:** provide a reason for the information given.
- **compare:** demonstrate knowledge and understanding of the similarities and/or differences between topics being examined.
- **calculate:** determine a number from given facts, figures or information.
- **predict:** indicate what may happen based on available information.
- **suggest:** apply your knowledge and understanding to a new situation.

Your Google classrooms also contain resources that are very useful for revision.

Please note that the Assignment (research and/or project) has been removed for session 2020-21 by the SQA for all levels.