



Subject		Biology		
Title/Topic		Format	Length	Date
PAPER 1: The Natural Environment and Species Survival		Written paper	2 hours	Wednesday 4 January 12.40pm – 2.40pm
PAPER 2: Energy, Exercise and Co-ordination		Written paper	2 hours	Thursday 5 January 12.40pm – 2.40pm
PAPER 3: General and Practical Applications in Biology		Written paper	1 hour 30 minutes	Tuesday 10 January 1.40pm – 3.10pm

My Advent assessment will test my knowledge on...

Paper 1

- Topic 6 Response to infection (6.7–6.9, 6.12–6.13)
- Topic 4 Biodiversity (4.1–4.6)
- Topic 5 Photosynthesis (5.5–5.9, including understanding of Core Practical 11)
- Topic 6 Pathogens and disease (6.2, 6.5–6.6, 6.11, 6.14–6.15, including understanding of Core Practical 15)
- Topic 2 Protein structure and enzymes (2.9–2.10, including understanding of Core Practical 4)
- Topic 3 Cell ultrastructure (3.1–3.5, 3.13)
- Topic 5 Ecology and energy transfers (5.1–5.4, 5.10–5.11, 5.21, including understanding of Core Practical 10)
- Topic 5 Climate change (5.12–5.16, 5.20, including understanding of Core Practicals 12 & 13)
- Topic 2 DNA and the genetic code (2.5–2.8, 2.11–2.12)

Paper 2

- Topic 8 Nervous and hormonal control (8.1–8.7)
- Topic 7 Exercise and feedback mechanisms (7.11–7.16)
- Topic 1 Causes and development of CVD (1.5–1.7, 1.15, 1.18)
- Topic 3 Cell ultrastructure (3.1–3.5, 3.13)
- Topic 7 Control of heart rate and ventilation rate (7.8–7.9, including understanding of Core Practical 17)
- Topic 3 Gametes, fertilisation and stem cells (3.6–3.7, 3.11)
- Topic 2 DNA and the genetic code (2.5–2.8, 2.11–2.12)
- Topic 2 Inheritance and genetic screening (2.13–2.16)

Paper 3

- Topic 5 Ecology and energy transfers (5.1–5.4, 5.10–5.11, 5.21, including understanding of Core Practical 10)
- Topic 8 Nervous and hormonal control (8.1–8.7)
- Topic 6 Response to infection (6.7–6.9, 6.12–6.13)
- Topic 5 Photosynthesis (5.5–5.9, including understanding of Core Practical 11)



- Topic 2 Protein structure and enzymes (2.9–2.10, including understanding of Core Practical 4)
- Topic 4 Drug testing protocols and assessing antimicrobial agent (4.13–4.14, including an understanding of Core Practical 9)
- Topic 7 Respiration (7.3–7.7, including understanding of Core Practical 16)

What should I do to revise and prepare for this assessment?

To prepare for this assessment:

- Create a review schedule so that you have time to cover all of the topics that you will be examined on.
- Ensure all review activities are active, that is they involve you manipulating and using information. Passive activities such as reading and highlighting make you look like you're working but will not help your long term understanding of the course.

Suggestions of suitable activities include:

- Learning key definitions – making flash cards of these and being tested on them
- Sequence key processes we have studied during the course and use look, cover, write, check to learn these processes.
- Use of practice exam questions from the exam board website to practice exam technique.
- Making flash cards and being quizzed on them
- Attempting summary and exam practice questions from the text books and the revision guide
- Use of Seneca learning
- Seeking help BEFORE the exam if needed

What useful websites/resources could I use to help me prepare?

https://www.amazon.co.uk/Level-Biology-Complete-Revision-Practice/dp/178294298X/ref=sr_1_6?dchild=1&keywords=snab+biology&qid=1602431919&sr=8-6

https://www.amazon.co.uk/Revise-Salters-Nuffield-Biology-Revision/dp/1447992717/ref=sr_1_9?crid=1SYM0YWHKEWXY&dchild=1&keywords=edexcel+biology+a+level&qid=1602432062&srefix=edexcel+biology+A+%2Caps%2C173&sr=8-9

https://www.amazon.co.uk/Level-Biology-Essential-Maths-Skills/dp/1847623239/ref=sr_1_1?crid=DD8H2WBVU528&dchild=1&keywords=maths+for+a+level+biology&qid=1602432154&srefix=maths+for+a+level%2Caps%2C175&sr=8-1

Read the pre-release & find out meaning of unfamiliar terms

Learn the core practical's! – suggested website <https://snabbiology.wordpress.com/>

Use www.senecalearning.com to consolidate your understanding