

Pearson Edexcel Level 3 GCE

May–June 2022 Assessment Window

Syllabus
reference

9B10

Biology B Advance Information

You are not permitted to take this notice into the examination.
This document is valid if downloaded from the [Pearson Qualifications website](#).

Instructions

- Please ensure that you have read this notice before the examination.

Information

- This notice covers all examined components.
- The format of the assessments remains unchanged.
- The Advance Information details the focus of the content of the exams in the May–June 2022 assessments.
- There are no restrictions on who can use this notice.
- This notice is meant to help students to focus their revision time.
- Students and teachers can discuss the Advance Information.
- This document has 4 pages.

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General advice

- In addition to covering the content outlined in the advance information, students and teachers should consider how to:
 - manage their revision of parts of the specification which may be assessed in areas not covered by the advance information
 - manage their revision of other parts of the specification which may provide knowledge that helps with understanding the areas being tested in 2022.
- For specifications with synoptic questions, topics not explicitly given in the advance information may appear, e.g. where students are asked to bring together knowledge, skills and understanding from across the specification.
- For specifications with optional papers/topics/content, students should only refer to the advance information for their intended option.
- For specifications with NEA, advance information does not cover any NEA components.

A link to the Joint Council for Qualifications guidance document on advance information can be found on the Joint Council for Qualifications website or [here](#).

Advance Information

Subject specific section

- This notice does **not** apply to topics worth fewer than 5% of the marks on each question paper.
- For each paper, the topics listed form the major focus of questions. The list is in rank order, with the topics carrying the highest mark allocations at the top of each list. Each exam paper may include some, or all, of the content in the listed topic.
- Topics **not** included on the list below may still appear in multiple-choice items, questions with a low tariff, or via synopticity. Students will still be expected to apply their knowledge of these topics in unfamiliar contexts.
- Assessment of practical skills (Appendix 5) and maths skills (Appendix 6 of the specification) will occur as usual.

Paper 9BI0/01

- Topic 4.3 Gas exchange
- Topic 4.2 Cell transport mechanisms
- Topic 6.7 Response to infection
- Topic 5.7 Photosynthesis
- Topic 2.2 Viruses

Paper 9BI0/02

- Topic 9.7 Detection of light by mammals
- Topic 4.4 Circulation
- Topic 10.4 Human effects on ecosystems
- Topic 1.1 Carbohydrates
- Topic 1.4 DNA and protein synthesis
- Topic 2.4 Sexual reproduction in mammals
- Topic 8.3 Gene pools
- Topic 9.3 Chemical control in plants
- Topic 9.9 Osmoregulation and temperature regulation
- Topic 10.3 Changes in ecosystems

Paper 9BI0/03

- Topic 6.1 Microbial techniques including understanding of Core Practical 12
- Topic 1.5 Enzymes including understanding of Core Practical 1
- Topic 4.7 Transport in plants including understanding of Core Practical 8
- Topic 2.5 Sexual reproduction in plants including understanding of Core Practical 4
- Topic 8.2 Transfer of genetic information
- Topic 5.6 Photosynthetic pigments including understanding of Core Practical 10
- Topic 10.4 Human effects on ecosystems
- Topic 10.3 Changes in ecosystems including understanding of Core Practical 16
- Topic 9.5 Nervous transmission

END OF ADVANCE INFORMATION