

# Pearson Edexcel International GCSE (9–1)

May–June 2022 Assessment Window

Syllabus  
reference

**4HB1**

## Human Biology 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/structure of the assessments remains unchanged.
- This advance information notice 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 5 pages.

There are two option codes for this qualification. Some centres will enter for option “R”, depending on their location – if you’re unsure if your centre uses option “R” papers you should contact your centre who can confirm and check the [Information Manual](#). Please ensure you consult the advance information relevant to the option code used within your centre. Information related to the “R” option is indicated by an “R” after the paper number, e.g. 4HB1/02R or Paper 2R.

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## General advice

- In addition to covering the content outline in the Advance Information, students and teachers should consider how to:
  - manage their revision of content 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

- For each paper the list shows the major focus of the content of the exam.
- Topics **not** assessed either directly or synoptically have also been listed.
- The information is presented in specification order and not in question order.
- Numbers in brackets refer to the points as listed in the specification.
- Assessment of practical skills, maths skills, and Working Scientifically skills will occur throughout all the papers.
- Core Practicals that will be assessed have also been listed.
- Topics not explicitly given in either list may appear in low tariff questions or via synoptic or 'linked' questions. Synoptic or 'linked' questions are those that bring together knowledge, skills and understanding from across the specification.
- Students will still be expected to apply their knowledge to unfamiliar contexts.
- Each exam paper may include some, or all, of the content in the listed topic.

## Paper 4HB1/01

Content **will be assessed** from the following topics:

- Topic 1 Cells and tissues (1.1–1.16)
- Topic 2 Biological molecules (including practicals 2.5 and 2.10) (2.1–2.10)
- Topic 9 Internal transport (9.1–9.19)
- Topic 10 Homeostatic mechanisms (10.1–10.11)

Topics **not assessed** in this paper:

- Topic 3 Movement of substances in and out of cells (3.1–3.3)
- Topic 4 Bones, muscles and joints (4.1–4.6)
- Topic 12 Disease (12.1–12.18)

## Paper 4HB1/02

Content **will be assessed** from the following topics:

- Topic 1 Cells and tissues (1.1–1.16)
- Topic 2 Biological molecules (including practical 2.4) (2.1–2.10)
- Topic 5 Coordination (including practical 5.15) (5.1–5.19)
- Topic 9 Internal transport (9.1–9.19)
- Topic 11 Reproduction and heredity (11.1–11.24)
- Topic 12 Disease (12.1–12.18)

Topics **not assessed** in this paper:

- Topic 3 Movement of substances in and out of cells (3.1–3.3)
- Topic 4 Bones, muscles and joints (4.1–4.6)
- Topic 6 Nutrition and energy (6.1–6.12)
- Topic 7 Respiration (7.1–7.6)
- Topic 8 Gas exchange (8.1–8.13)

## Paper 4HB1/01R

Content **will be assessed** from the following topics:

- Topic 1 Cells and tissues (1.1–1.16)
- Topic 2 Biological molecules (including practical 2.8) (2.1–2.10)
- Topic 4 Bones, muscles and joints (4.1–4.6)
- Topic 5 Coordination (5.1–5.19)
- Topic 6 Nutrition and energy (6.1–6.12)
- Topic 9 Internal transport (9.1–9.19)
- Topic 10 Homeostatic mechanisms (including practical 10.10) (10.1–10.11)
- Topic 11 Reproduction and heredity (11.1–11.24)
- Topic 12 Disease (12.1–12.18)

Topics **not assessed** in this paper:

- Topic 7 Respiration (7.1–7.6)
- Topic 8 Gas exchange (8.1–8.13)

## Paper 4HB1/02R

Content **will be assessed** from the following topics:

- Topic 2 Biological molecules (2.1–2.10)
- Topic 6 Nutrition and energy (6.1–6.12)
- Topic 7 Respiration (including practical 7.2) (7.1–7.6)
- Topic 9 Internal transport (9.1–9.19)
- Topic 10 Homeostatic mechanisms (10.1–10.11)
- Topic 11 Reproduction and heredity (11.1–11.24)

Topics **not assessed** in this paper:

- Topic 4 Bones, muscles and joints (4.1–4.6)
- Topic 5 Coordination (5.1–5.19)
- Topic 8 Gas exchange (8.1–8.13)
- Topic 12 Disease (12.1–12.18)

**END OF ADVANCE INFORMATION**