

OXFORD

INTERNATIONAL  
AQA EXAMINATIONS

# AS AND A-LEVEL BIOLOGY

9610

May/June 2022 Advance Information

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For use in May/June 2022 only

## INTRODUCTION

This advance information details the focus of the content of the May/June 2022 examinations for both the AS and A-level qualifications for the above subject.

The purpose of this information is to support revision. It is provided in the context of the coronavirus (Covid-19) pandemic which has disrupted the education of students sitting exams in May/June 2022.

A guidance document on advance information notice has been produced and it can be found [here](#).

## INFORMATION

- This advance information covers all examined components.
- For each paper the list shows the major focus of questions
- The topic areas are listed in rank order, with the areas carrying the highest mark allocations at the top of each list.
- Assessment of practical skills (section 6.2 of the specification) and maths skills (section 7 of the specification) will occur throughout the five papers.
- Topics not explicitly given in the list may appear in low tariff questions or via synoptic questions. Synoptic questions are those that bring together knowledge, skills and understanding from across the specification
- It is **not** permitted to take this notice into the examination.

## ADVICE

- Students should only refer to the advance information notice for components for which they intend to sit.
- Students and teachers should consider how to focus their revision of other non-listed parts of the specification, which may be tested in lower mark questions

## SUBJECT SPECIFIC SECTION

### BL01

- 3.1.1 Biological molecules
- 3.1.5 Gas exchange and the transport of oxygen in living organisms (inc. Required Practical 3)
- 3.1.6 Living organisms vary
- 3.1.3 Biochemical reactions in cells are controlled by enzymes

### BL02

- 3.2.10 Cells divide by binary fission and mitosis (inc. Required Practical 4)
- 3.2.6 The circulation of blood and the structure of the mammalian heart
- 3.2.8 Mass transport systems in plants (inc. Required Practical 6)

### BL03

- 3.3.1 The effect of biotic and abiotic factors on populations (inc. Required Practical 9)
- 3.3.2 Photosynthesis
- 3.3.5 Nutrient cycles
- 3.3.7 Allele frequencies in populations
- 3.3.3 Respiration

### BL04

- 3.4.10 Recombinant DNA technology
- 3.4.5 Control systems in plants
- 3.4.7 Hormones and the control of blood glucose concentration
- 3.4.9 Regulation of transcription and translation

## BL05

(This is the synoptic paper that focuses also on practical and analytical skills; these topics may therefore be assessed in combination.)

- 3.1.3 Biochemical reactions in cells are controlled by enzymes (inc. Required Practical 1)
- 3.2.6 The circulation of blood and the structure of the mammalian heart (inc. Required Practical 5)
- 3.2.11 Mutation and cancer
- 3.1.2 Cells and cell structure
- 3.3.8 Evolution may lead to speciation
- 3.1.4 Transport into and out of cells
- 3.3.2 Photosynthesis (inc. Required Practical 7)
- 3.3.7 Allele frequencies in populations

**END OF ADVANCE INFORMATION**



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