

Edexcel GCSE Biology - Specification Checklist

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PPQs = Past paper questions

Specification points in **bold** are only found in higher tier.

Specification points with a 'B' after them are only in the GCSE Biology course, they are **not** in the GCSE Combined Science course.

Specification points in *italics* with an asterisk (*) before them are core practicals.

1 - Key concepts in biology [Paper 1 and Paper 2]

Cell structure and microscopes

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
1.1				
1.2				
1.3				
1.4				
1.5				
*1.6				

Biological molecules

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
1.7				
1.8				
1.9				
*1.10				

1.11				
1.12				
*1.13B				
1.14B				

Transport of substances in and out of cells

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
1.15				
*1.16				
1.17				

2 - Cells and control [Paper 1]

The cell cycle and mitosis

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
2.1				
2.2				
2.3				
2.4				

Differentiation and stem cells

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
2.5				
2.6				
2.7				
2.8				
2.9				

The nervous system

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
2.10B				
2.11B				
2.12B				
2.13				
2.14				

The eye

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
2.15B				
2.16B				
2.17B				

3 - Genetics [Paper 1]

Sexual and asexual reproduction

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
3.1B				
3.2B				

Meiosis

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
3.3				

DNA and genomes

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
3.4				
3.5				
3.6				

Protein synthesis and the effects of genetic variants

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
3.7B				
3.8B				
3.9B				
3.10B				

Inheritance

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
3.11B				
3.12				
3.13				
3.14				
3.15				
3.16				
3.17B				
3.18B				
3.19				

Variation, the Human Genome Project and mutations

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
3.20				
3.21				
3.22				
3.23				

4 - Natural selection and genetic modification [Paper 1]

Natural selection and evolution

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
4.1B				
4.2				
4.3				
4.4				
4.5				
4.6B				

Classification

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
4.7				

Agriculture, selective breeding and genetic engineering

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
4.8				
4.9B				
4.10				

4.11				
4.12B				
4.13B				
4.14				

5 - Health, disease and the development of medicines

[Paper 1]

Health

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.1				

Disease and pathogens

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.2				
5.3				
5.4				
5.5				
5.6				
5.7B				
5.8				

Plant defences and diagnosis of plant diseases

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.9B				
5.10B				
5.11B				

Human defences and protecting humans from communicable diseases

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.12				
5.13				
5.14				
5.15B				
5.16				

Working with microorganisms in the laboratory

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.17B				
*5.18B				
5.19B				

Developing new medicines

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.20				

Monoclonal antibodies

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.21B				
5.22B				

Non-communicable diseases in humans

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
5.23				
5.24				
5.25				

6 - Plant structures and their functions [Paper 2]

Photosynthesis

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
6.1				
6.2				
6.3				
6.4				
*6.5				
6.6				

Transport in plants 1

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
6.7				
6.8				
6.9				
6.10				

Adaptations of the leaf

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
6.11B				

Transport in plants 2

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
6.12				
6.13				

Plants in extreme environments

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
6.14B				

Plant hormones

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
6.15B				
6.16B				

7 - Animal coordination, control and homeostasis [Paper 2]

Hormones in humans

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
7.1				
7.2				
7.3				

The menstrual cycle and reproduction in humans

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
7.4				
7.5				
7.6				
7.7				
7.8				

Homeostasis

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
7.9				
7.10B				

Thermoregulation

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
7.11B				
7.12B - a,b,c				

Control of blood glucose concentration and diabetes

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
7.13				
7.14				
7.15				
7.16				
7.17				

The urinary system

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
7.18B				
7.19B				
7.20B				
7.21B				
7.22B				

8 - Exchange and transport in animals [Paper 2]

Exchange surfaces and transport systems

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
8.1				
8.2				

The lungs and alveoli

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
8.3				

Rate of diffusion

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
8.4B				
8.5B				

The circulatory system and cellular respiration

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
8.6				
8.7				
8.8				
8.9				
8.10				
*8.11				
8.12				

9 - Ecosystems and material cycles [Paper 2]

Organisms, populations, communities and ecosystems

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
9.1				
9.2				
9.3				
9.4				
*9.5				
9.6				

Energy transfers within ecosystems

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
9.7B				
9.8B				

Human impacts on ecosystems, biodiversity and food security

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
9.9				
9.10				
9.11B				

Material cycles

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
9.12				
9.13				
9.14				
9.15				

Indicator species

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
9.16B				

Decomposition

Specification Point	Topic covered?	Flashcards made?	Flashcards memorised?	PPQs done?
9.17B				
9.18B				
9.19B				