

Edexcel IGCSE Biology - Specification Points to Learn for 2022 Exams

Key

YES =	This will be directly assessed in the paper.
Maybe =	This might be assessed in short answer questions or synoptic questions (questions which draw together multiple topics).
no =	This will not be assessed in the paper.

PPQs = Past paper questions

1 The nature and variety of living organisms

(a) Characteristics of living organisms

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.1	no	no	No need to revise		

(b) Variety of living organisms

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
1.2	Maybe	Maybe			
1.3	Maybe	Maybe			
1.4	Maybe	Maybe			

2 Structure and functions in living organisms

(a) Level of organisation

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.1	no	no	No need to revise		

(b) Cell structure

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.2	Maybe	Maybe			
2.3	Maybe	Maybe			
2.4	Maybe	Maybe			
2.5B	Maybe	Maybe			
2.6B	Maybe	Maybe			

(c) Biological molecules

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.7	Maybe	YES			
2.8	Maybe	YES			
2.9	Maybe	YES			
2.10	Maybe	YES			
2.11	Maybe	YES			
2.12	Maybe	YES			
2.13	Maybe	YES			
2.14B	Maybe	YES			

(d) Movement of substances into and out of cells

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.15	YES				
2.16	YES				
2.17	YES				

(e) Nutrition

Flowering plants:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.18	Maybe	Maybe			
2.19	Maybe	Maybe			
2.20	Maybe	Maybe			
2.21	Maybe	Maybe			
2.22	Maybe	Maybe			
2.23	Maybe	Maybe			

Humans:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.24	Maybe	Maybe			
2.25	Maybe	Maybe			
2.26	Maybe	Maybe			
2.27	Maybe	Maybe			
2.28	Maybe	Maybe			
2.29	Maybe	Maybe			
2.30	Maybe	Maybe			
2.31	Maybe	Maybe			
2.32	Maybe	Maybe			
2.33B	Maybe	Maybe			

(f) Respiration

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.34	no	no	No need to revise		
2.35	no	no			

2.36	no	no	
2.37	no	no	
2.38	no	no	
2.39	no	no	

(g) Gas exchange

Flowering plants:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.40B	Maybe	YES			
2.41B	Maybe	YES			
2.42B	Maybe	YES			
2.43B	Maybe	YES			
2.44B	Maybe	YES			
2.45B	Maybe	YES			

Humans:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.46	YES	YES			
2.47	YES	YES			
2.48	YES	YES			
2.49	YES	YES			
2.50	YES	YES			

(h) Transport

General:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.51	YES	Maybe			

2.52	YES	Maybe			
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Flowering plants:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.53	YES	Maybe			
2.54	YES	Maybe			
2.55B	Maybe	Maybe			
2.56B	Maybe	Maybe			
2.57B	Maybe	Maybe			
2.58B	Maybe	Maybe			

Humans:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.59	YES	Maybe			
2.60	YES	Maybe			
2.61	YES	Maybe			
2.62	YES	Maybe			
2.63B	Maybe	Maybe			
2.64B	Maybe	Maybe			
2.65	YES	Maybe			
2.66	YES	Maybe			
2.67	YES	Maybe			
2.68	YES	Maybe			
2.69	YES	Maybe			

(i) Excretion

Flowering plants:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
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2.70	Maybe	YES			
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Humans:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.71	Maybe	YES			
2.72B	Maybe	YES			
2.73B	Maybe	YES			
2.74B	Maybe	YES			
2.75B	Maybe	YES			
2.76B	Maybe	YES			
2.77B	Maybe	YES			
2.78B	Maybe	YES			
2.79B	Maybe	YES			

(j) Co-ordination and response

General:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.80	YES	no			
2.81	YES	no			
2.82	YES	no			

Flowering plants:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.83	YES	no			
2.84	YES	no			
2.85	YES	no			

Humans:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
2.86	YES	no			
2.87	YES	no			
2.88	YES	no			
2.89	YES	no			
2.90	YES	no			
2.91	YES	no			
2.92	YES	no			
2.93	YES	no			
2.94	YES	no			
2.95B	Maybe	no			

3 Reproduction and inheritance

(a) Reproduction

General:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
3.1	YES	no			
3.2	YES	no			

Flowering plants:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
3.3	YES	no			
3.4	YES	no			
3.5	YES	no			
3.6	YES	no			
3.7	YES	no			

Humans:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
3.8	YES	no			
3.9	YES	no			
3.10B	Maybe	no			
3.11	YES	no			
3.12	YES	no			
3.13	YES	no			

(b) Inheritance

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
3.14	YES	YES			
3.15	YES	YES			
3.16B	Maybe	YES			
3.17B	Maybe	YES			
3.18B	Maybe	YES			
3.19	YES	YES			
3.20	YES	YES			
3.21B	Maybe	YES			
3.22	YES	YES			
3.23	YES	YES			
3.24	YES	YES			
3.25	YES	YES			
3.26	YES	YES			
3.27	YES	YES			
3.28	YES	YES			
3.29	YES	YES			
3.30	YES	YES			

3.31	YES	YES			
3.32	YES	YES			
3.33	YES	YES			
3.34	YES	YES			
3.35B	Maybe	YES			
3.36B	Maybe	YES			
3.37B	Maybe	YES			
3.38	YES	YES			
3.39	YES	YES			

4 Ecology and the environment

(a) The organism in the environment

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.1	Maybe	no			
4.2	Maybe	no			
4.3B	Maybe	no			
4.4B	Maybe	no			
4.5	Maybe	no			

(b) Feeding relationships

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.6	Maybe	no			
4.7	Maybe	no			
4.8	Maybe	no			
4.9	Maybe	no			

(c) Cycles within ecosystems

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.10	no	YES			
4.11B	no	YES			

(d) Human influences of the environment

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
4.12	no	YES			
4.13	no	YES			
4.14	no	YES			
4.15	no	YES			
4.16	no	YES			
4.17	no	YES			
4.18B	no	YES			

5 Use of biological resources

(a) Food production

Crop plants:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
5.1	Maybe	no			
5.2	Maybe	no			
5.3	Maybe	no			
5.4	Maybe	no			

Micro-organisms:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
5.5	Maybe	no			
5.6	Maybe	no			
5.7	Maybe	no			
5.8	Maybe	no			

Fish farming:

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
5.9B	Maybe	no			

(b) Selective breeding

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
5.10	YES	no			
5.11	YES	no			

(c) Genetic modification (genetic engineering)

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
5.12	no	Maybe			
5.13	no	Maybe			
5.14	no	Maybe			
5.15	no	Maybe			
5.16	no	Maybe			

(d) Cloning

Specification Point	In Paper 1?	In Paper 2?	Flashcards made?	Flashcards memorised?	PPQs done?
5.17B	no	Maybe			

5.18B	no	Maybe			
5.19B	no	Maybe			
5.20B	no	Maybe			