

AP Biology

Past-Paper Exercise Sheets — Question Index

50 subtopics • 215 questions

1.4 Carbohydrates

1 question • data response

Source	Q	Type
2021	2	data response

1.6 Nucleic Acids

2 questions • data response, short answer

Source	Q	Type
2026	1	data response
2017	6	short answer

1.7 Proteins

2 questions • data response x2

Source	Q	Type
2025	1	data response
2017	3	data response

2.3 Plasma Membrane

4 questions • data response x3, short answer

Source	Q	Type
2025	2	data response
2021	1	data response
2018	8	data response
2017	8	short answer

2.4 Membrane Permeability

1 question • short answer

Source	Q	Type
2017	8	short answer

2.6 Facilitated Diffusion

2 questions • data response x2

Source	Q	Type
2024	3	data response
2022	1	data response

2.7 Tonicity and Osmoregulation

5 questions • data response x4, short answer

Source	Q	Type
2022	1	data response
2019	2	data response
2019	8	short answer
2018	2	data response
2016	1	data response

2.8 Mechanisms of Transport

3 questions • data response x2, short answer

Source	Q	Type
2024	3	data response
2021	1	data response
2019	8	short answer

2.9 Cell Compartmentalization

5 questions • data response x5

Source	Q	Type
2026	2	data response
2025	1	data response
2023	2	data response
2018	2	data response
2018	6	data response

2.10 Origins of Cell Compartmentalization

1 question • calculation

Source	Q	Type
2015	2	calculation

3.1 Enzymes

3 questions • data response x2, short answer

Source	Q	Type
2025	5	data response
2022	3	short answer
2019	6	data response

3.2 Environmental Impacts on Enzyme Function

2 questions • data response, short answer

Source	Q	Type
2025	5	data response
2022	3	short answer

3.3 Cellular Energy

3 questions • data response x2, calculation

Source	Q	Type
2024	2	data response
2016	3	data response
2015	2	calculation

3.4 Photosynthesis

2 questions • data response, short answer

Source	Q	Type
2023	4	data response
2017	5	short answer

3.5 Cellular Respiration

9 questions • data response x4, short answer x4, calculation

Source	Q	Type
2026	3	data response
2024	2	data response
2023	2	data response
2021	3	short answer
2019	3	short answer
2017	5	short answer
2017	7	short answer
2016	3	data response
2015	2	calculation

4.1 Cell Communication

4 questions • data response x3, short answer

Source	Q	Type
2025	2	data response
2019	4	short answer
2018	2	data response
2016	8	data response

4.2 Introduction to Signal Transduction

6 questions • data response x4, short answer x2

Source	Q	Type
2026	1	data response
2025	2	data response
2019	4	short answer
2018	8	data response
2017	2	data response
2017	8	short answer

4.3 Signal Transduction Pathways

7 questions • data response x7

Source	Q	Type
2026	1	data response
2025	2	data response
2023	1	data response
2022	1	data response
2021	1	data response
2018	2	data response
2018	8	data response

4.4 Feedback

3 questions • data response x2, short answer

Source	Q	Type
2025	5	data response
2019	1	short answer
2018	8	data response

4.5 Cell Cycle

3 questions • data response x2, short answer

Source	Q	Type
2026	4	data response
2024	1	data response
2015	4	short answer

4.6 Regulation of Cell Cycle

1 question • data response

Source	Q	Type
2021	1	data response

5.1 Meiosis

7 questions • data response x6, short answer

Source	Q	Type
2026	2	data response
2026	4	data response
2025	6	data response
2024	1	data response
2022	2	data response
2016	7	data response
2015	4	short answer

5.2 Meiosis and Genetic Diversity

6 questions • data response x4, short answer x2

Source	Q	Type
2026	4	data response
2024	1	data response
2022	2	data response
2016	7	data response
2015	4	short answer
2014	8	short answer

5.3 Mendelian Genetics

4 questions • data response x4

Source	Q	Type
2018	1	data response
2018	7	data response
2017	3	data response
2016	7	data response

5.4 Non-Mendelian Genetics

7 questions • data response x6, short answer

Source	Q	Type
2025	6	data response
2023	2	data response
2021	2	data response
2019	3	short answer
2019	6	data response
2018	7	data response
2016	7	data response

5.5 Environmental Effects on Phenotype

1 question • data response

Source	Q	Type
2018	7	data response

6.1 DNA and RNA Structure

1 question • data response

Source	Q	Type
2022	2	data response

6.3 Transcription and RNA Processing

4 questions • data response x2, short answer x2

Source	Q	Type
2022	6	data response
2021	6	data response
2019	1	short answer
2016	4	short answer

6.4 Translation

6 questions • data response x5, short answer

Source	Q	Type
2025	1	data response
2024	6	data response
2023	1	data response
2022	6	data response
2019	1	short answer
2017	3	data response

6.5 Regulation of Gene Expression

9 questions • data response x8, short answer

Source	Q	Type
2026	1	data response
2026	2	data response
2025	6	data response
2024	6	data response
2023	6	data response
2021	6	data response
2019	7	data response
2016	2	data response
2015	7	short answer

6.6 Gene Expression and Cell Specialization

3 questions • data response x2, short answer

Source	Q	Type
2023	6	data response
2019	7	data response
2015	7	short answer

6.7 Mutations

5 questions • short answer x3, data response x2

Source	Q	Type
2019	1	short answer
2018	1	data response
2017	6	short answer
2015	1	data response
2014	8	short answer

6.8 Biotechnology

2 questions • data response x2

Source	Q	Type
2022	6	data response
2016	6	data response

7.1 Introduction to Natural Selection

1 question • data response

Source	Q	Type
2014	1	data response

7.2 Natural Selection

12 questions • data response x9, short answer x3

Source	Q	Type
2026	5	data response
2024	1	data response
2024	5	data response
2022	4	short answer
2021	4	data response
2019	1	short answer
2018	1	data response
2018	4	data response
2016	1	data response
2016	3	data response
2015	1	data response
2014	8	short answer

7.3 Artificial Selection

2 questions • data response x2

Source	Q	Type
2022	2	data response
2014	4	data response

7.4 Population Genetics

5 questions • data response x3, short answer x2

Source	Q	Type
2022	4	short answer
2016	1	data response
2015	6	data response
2014	4	data response
2014	8	short answer

7.6 Evidence of Evolution

5 questions • data response x3, short answer, calculation

Source	Q	Type
2025	4	short answer
2023	5	data response
2019	5	calculation
2018	1	data response
2015	3	data response

7.7 Common Ancestry

3 questions • data response x2, calculation

Source	Q	Type
2023	5	data response
2015	2	calculation
2014	2	data response

7.9 Phylogeny

6 questions • data response x5, calculation

Source	Q	Type
2024	5	data response
2023	5	data response
2019	5	calculation
2018	1	data response
2015	3	data response
2014	2	data response

7.10 Speciation

5 questions • data response x3, short answer x2

Source	Q	Type
2026	5	data response
2025	4	short answer
2024	5	data response
2022	4	short answer
2021	4	data response

7.11 Variations in Populations

3 questions • data response x3

Source	Q	Type
2015	6	data response
2014	1	data response
2014	4	data response

7.12 Origins of Life on Earth

1 question • calculation

Source	Q	Type
2015	2	calculation

8.1 Responses to the Environment

12 questions • data response x8, short answer x4

Source	Q	Type
2026	1	data response
2023	3	short answer
2018	2	data response
2017	1	data response
2017	2	data response
2015	1	data response
2015	5	data response
2015	7	short answer
2015	8	short answer
2014	2	data response
2014	6	short answer
2014	7	data response

8.2 Energy Flow Through Ecosystems

1 question • data response

Source	Q	Type
2017	4	data response

8.3 Population Ecology

6 questions • data response x5, short answer

Source	Q	Type
2025	3	short answer
2021	5	data response
2019	2	data response
2016	2	data response
2015	6	data response
2014	1	data response

8.4 Effect of Density on Populations

3 questions • data response x3

Source	Q	Type
2019	2	data response
2016	2	data response
2015	6	data response

8.5 Community Ecology

12 questions • short answer x6, data response x6

Source	Q	Type
2025	3	short answer
2025	4	short answer
2024	4	data response
2023	3	short answer
2022	5	data response
2019	1	short answer
2019	2	data response
2018	3	short answer
2018	5	data response
2017	1	data response
2017	7	short answer
2016	5	data response

8.6 Biodiversity

6 questions • data response x4, short answer x2

Source	Q	Type
2026	6	data response
2024	4	data response
2023	3	short answer
2022	5	data response
2021	5	data response
2014	5	short answer

8.7 Disruptions in Ecosystems

8 questions • data response x5, short answer x3

Source	Q	Type
2026	6	data response
2025	3	short answer
2024	4	data response
2022	5	data response
2017	2	data response
2016	6	data response
2014	3	short answer
2014	5	short answer