

AP Environmental Science

Past-Paper Exercise Sheets — Question Index

83 subtopics • 318 questions

1.2 Terrestrial Biomes

5 questions • data response x4, calculation

Source	Q	Type
2025 Set 1	2	data response
2025 Set 2	2	data response
2024 Set 2	3	calculation
2023 Set 2	1	data response
2021 Set 2	2	data response

1.4 The Carbon Cycle

2 questions • data response, short answer

Source	Q	Type
2024 Set 2	2	data response
2014	4	short answer

1.5 The Nitrogen Cycle

1 question • short answer

Source	Q	Type
2016	4	short answer

1.6 The Phosphorus Cycle

2 questions • data response, short answer

Source	Q	Type
2015	1	data response
2014	4	short answer

1.9 Trophic Levels

3 questions • data response x2, short answer

Source	Q	Type
2023 Set 2	2	data response
2018	3	data response
2016	1	short answer

1.10 Energy Flow and the 10% Rule

3 questions • data response x2, calculation

Source	Q	Type
2026	3	calculation
2023 Set 1	2	data response
2018	3	data response

1.11 Food Chains and Food Webs

5 questions • data response x4, short answer

Source	Q	Type
2026	1	data response
2025 Set 1	1	data response
2023 Set 2	2	data response
2018	3	data response
2016	1	short answer

2.1 Introduction to Biodiversity

11 questions • data response x8, short answer x2, calculation

Source	Q	Type
2026	1	data response
2025 Set 1	1	data response
2025 Set 2	1	data response
2024 Set 1	1	data response
2024 Set 2	2	data response
2023 Set 1	1	data response
2021 Set 1	3	calculation
2021 Set 2	2	data response
2019	1	data response
2017	4	short answer
2016	1	short answer

2.2 Ecosystem Services

12 questions • data response x8, calculation x3, short answer

Source	Q	Type
2025 Set 2	1	data response
2024 Set 1	3	calculation
2024 Set 2	1	data response
2024 Set 2	2	data response
2023 Set 2	2	data response
2022 Set 2	2	data response
2021 Set 1	3	calculation
2019	2	calculation
2019	1	data response
2018	1	data response
2017	1	data response
2016	1	short answer

2.3 Island Biogeography

4 questions • data response x4

Source	Q	Type
2025 Set 2	2	data response
2024 Set 2	2	data response
2022 Set 2	2	data response
2015	4	data response

2.4 Ecological Tolerance

2 questions • data response x2

Source	Q	Type
2024 Set 1	1	data response
2023 Set 1	2	data response

2.5 Natural Disruptions to Ecosystems

3 questions • data response x2, short answer

Source	Q	Type
2026	1	data response
2025 Set 1	1	data response
2014	3	short answer

2.6 Adaptations

3 questions • data response x2, calculation

Source	Q	Type
2024 Set 2	3	calculation
2023 Set 2	1	data response
2018	3	data response

2.7 Ecological Succession

6 questions • data response x5, short answer

Source	Q	Type
2025 Set 1	2	data response
2024 Set 2	1	data response
2023 Set 1	1	data response
2023 Set 2	1	data response
2019	1	data response
2014	3	short answer

3.1 Generalist and Specialist Species

3 questions • data response x2, calculation

Source	Q	Type
2026	1	data response
2025 Set 2	2	data response
2021 Set 1	3	calculation

3.2 K-Selected and r-Selected Species

5 questions • data response x4, short answer

Source	Q	Type
2025 Set 1	1	data response
2024 Set 1	2	data response
2023 Set 1	2	data response
2017	2	data response
2016	1	short answer

3.3 Survivorship Curves

2 questions • data response x2

Source	Q	Type
2024 Set 1	2	data response
2021 Set 2	1	data response

3.4 Carrying Capacity

2 questions • data response, calculation

Source	Q	Type
2025 Set 1	1	data response
2021 Set 1	3	calculation

3.5 Population Growth and Resource Availability

2 questions • calculation, data response

Source	Q	Type
2026	3	calculation
2025 Set 2	2	data response

3.7 Total Fertility Rate

1 question • data response

Source	Q	Type
2017	3	data response

3.8 Human Population Dynamics

3 questions • calculation x2, data response

Source	Q	Type
2025 Set 2	3	calculation
2022 Set 2	3	calculation
2017	3	data response

4.1 Plate Tectonics

2 questions • data response, short answer

Source	Q	Type
2025 Set 2	2	data response
2014	3	short answer

4.2 Soil Formation and Erosion

6 questions • data response x4, short answer x2

Source	Q	Type
2024 Set 1	2	data response
2024 Set 2	1	data response
2022 Set 1	1	data response
2021 Set 2	1	data response
2016	4	short answer
2014	3	short answer

4.3 Soil Composition and Properties

5 questions • data response x3, calculation, short answer

Source	Q	Type
2023 Set 1	1	data response
2023 Set 2	1	data response
2022 Set 2	2	data response
2022 Set 2	3	calculation
2016	4	short answer

4.6 Watersheds

7 questions • data response x4, calculation x2, short answer

Source	Q	Type
2024 Set 2	3	calculation
2022 Set 1	2	data response
2022 Set 2	1	data response
2022 Set 2	3	calculation
2017	3	data response
2017	4	short answer
2015	1	data response

4.7 Solar Radiation and Earth's Seasons

1 question • calculation

Source	Q	Type
2022 Set 1	3	calculation

4.8 Earth's Geography and Climate

2 questions • data response x2

Source	Q	Type
2026	1	data response
2025 Set 1	2	data response

4.9 El Nino and La Nina

1 question • data response

Source	Q	Type
2025 Set 1	2	data response

5.1 The Tragedy of the Commons

2 questions • data response x2

Source	Q	Type
2023 Set 2	2	data response
2022 Set 1	2	data response

5.2 Clearcutting

6 questions • data response x4, calculation x2

Source	Q	Type
2024 Set 2	1	data response
2024 Set 2	2	data response
2021 Set 1	3	calculation
2021 Set 2	2	data response
2021 Set 2	3	calculation
2017	3	data response

5.4 Impacts of Agricultural Practices

12 questions • data response x10, calculation, short answer

Source	Q	Type
2026	2	data response
2024 Set 1	2	data response
2024 Set 2	1	data response
2024 Set 2	2	data response
2023 Set 1	1	data response
2023 Set 2	3	calculation
2022 Set 1	1	data response
2022 Set 2	1	data response
2022 Set 2	2	data response
2021 Set 2	1	data response
2016	4	short answer
2015	1	data response

5.5 Irrigation Methods

1 question • data response

Source	Q	Type
2023 Set 1	1	data response

5.6 Pest Control Methods

3 questions • data response x3

Source	Q	Type
2025 Set 2	2	data response
2022 Set 2	2	data response
2021 Set 1	2	data response

5.7 Meat Production Methods

4 questions • data response x3, calculation

Source	Q	Type
2024 Set 1	2	data response
2024 Set 2	2	data response
2023 Set 2	3	calculation
2022 Set 2	1	data response

5.8 Impacts of Overfishing

1 question • data response

Source	Q	Type
2023 Set 2	2	data response

5.9 Impacts of Mining

4 questions • calculation x3, data response

Source	Q	Type
2025 Set 2	3	calculation
2023 Set 1	3	calculation
2023 Set 2	1	data response
2016	2	calculation

5.10 Impacts of Urbanization

12 questions • data response x8, calculation x4

Source	Q	Type
2026	3	calculation
2025 Set 1	2	data response
2025 Set 2	1	data response
2025 Set 2	2	data response
2024 Set 2	2	data response
2022 Set 1	3	calculation
2022 Set 2	1	data response
2021 Set 1	3	calculation
2021 Set 2	2	data response
2019	1	data response
2015	1	data response
2014	2	calculation

5.11 Ecological Footprints

1 question • data response

Source	Q	Type
2018	1	data response

5.12 Introduction to Sustainability

1 question • data response

Source	Q	Type
2015	4	data response

5.13 Methods to Reduce Urban Runoff

9 questions • data response x8, calculation

Source	Q	Type
2025 Set 1	2	data response
2024 Set 2	1	data response
2024 Set 2	2	data response
2023 Set 1	2	data response
2023 Set 2	1	data response
2021 Set 2	1	data response
2018	1	data response
2015	1	data response
2014	2	calculation

5.14 Integrated Pest Management

3 questions • data response x3

Source	Q	Type
2025 Set 2	2	data response
2022 Set 2	2	data response
2021 Set 1	2	data response

5.15 Sustainable Agriculture

5 questions • data response x5

Source	Q	Type
2025 Set 2	2	data response
2024 Set 1	2	data response
2022 Set 2	2	data response
2021 Set 1	2	data response
2015	4	data response

5.16 Aquaculture

1 question • data response

Source	Q	Type
2023 Set 2	2	data response

5.17 Sustainable Forestry

4 questions • data response x2, calculation x2

Source	Q	Type
2025 Set 1	2	data response
2024 Set 2	3	calculation
2019	2	calculation
2017	3	data response

6.1 Renewable and Nonrenewable Resources

6 questions • data response x3, calculation x3

Source	Q	Type
2026	2	data response
2025 Set 2	3	calculation
2021 Set 2	3	calculation
2018	1	data response
2016	2	calculation
2015	3	data response

6.2 Global Energy Consumption

2 questions • calculation, data response

Source	Q	Type
2018	2	calculation
2015	4	data response

6.3 Fuel Types and Uses

1 question • data response

Source	Q	Type
2015	3	data response

6.4 Distribution of Natural Energy Resources

3 questions • calculation x2, data response

Source	Q	Type
2026	2	data response
2019	2	calculation
2018	2	calculation

6.5 Fossil Fuels

9 questions • calculation x6, data response x3

Source	Q	Type
2026	2	data response
2025 Set 2	3	calculation
2024 Set 1	3	calculation
2023 Set 1	3	calculation
2022 Set 1	2	data response
2021 Set 2	3	calculation
2019	2	calculation
2018	1	data response
2016	2	calculation

6.6 Nuclear Power

3 questions • data response x2, calculation

Source	Q	Type
2026	2	data response
2024 Set 1	3	calculation
2014	1	data response

6.7 Energy from Biomass

1 question • data response

Source	Q	Type
2016	3	data response

6.8 Solar Energy

1 question • calculation

Source	Q	Type
2022 Set 1	3	calculation

6.9 Hydroelectric Power

2 questions • calculation, short answer

Source	Q	Type
2018	2	calculation
2017	4	short answer

6.11 Hydrogen Fuel Cell

1 question • data response

Source	Q	Type
2023 Set 1	2	data response

6.12 Wind Energy

1 question • calculation

Source	Q	Type
2018	2	calculation

6.13 Energy Conservation

4 questions • calculation x2, data response x2

Source	Q	Type
2025 Set 1	3	calculation
2023 Set 1	3	calculation
2018	1	data response
2014	1	data response

7.1 Introduction to Air Pollution

5 questions • calculation x4, data response

Source	Q	Type
2025 Set 1	3	calculation
2025 Set 2	3	calculation
2023 Set 1	3	calculation
2022 Set 2	3	calculation
2019	4	data response

7.2 Photochemical Smog

2 questions • data response x2

Source	Q	Type
2023 Set 1	2	data response
2019	4	data response

7.4 Atmospheric CO2 and Particulates

2 questions • data response, calculation

Source	Q	Type
2025 Set 1	2	data response
2021 Set 2	3	calculation

7.5 Indoor Air Pollutants

2 questions • calculation, data response

Source	Q	Type
2021 Set 2	3	calculation
2018	4	data response

7.6 Reduction of Air Pollutants

5 questions • data response x3, calculation x2

Source	Q	Type
2025 Set 1	3	calculation
2024 Set 1	3	calculation
2022 Set 1	2	data response
2019	4	data response
2018	4	data response

7.7 Acid Rain

2 questions • calculation, short answer

Source	Q	Type
2025 Set 1	3	calculation
2016	4	short answer

7.8 Noise Pollution

1 question • calculation

Source	Q	Type
2025 Set 2	3	calculation

8.1 Sources of Pollution

6 questions • data response x5, calculation

Source	Q	Type
2024 Set 1	1	data response
2022 Set 1	1	data response
2017	1	data response
2015	3	data response
2014	1	data response
2014	2	calculation

8.2 Human Impacts on Ecosystems

6 questions • data response x6

Source	Q	Type
2022 Set 1	1	data response
2021 Set 1	2	data response
2021 Set 2	1	data response
2019	3	data response
2019	4	data response
2015	3	data response

8.3 Endocrine Disruptors

1 question • data response

Source	Q	Type
2021 Set 2	2	data response

8.4 Human Impacts on Wetlands and Mangroves

5 questions • data response x5

Source	Q	Type
2025 Set 2	1	data response
2021 Set 2	2	data response
2019	1	data response
2017	1	data response
2015	1	data response

8.5 Eutrophication

7 questions • data response x7

Source	Q	Type
2026	2	data response
2024 Set 2	1	data response
2023 Set 1	2	data response
2023 Set 2	1	data response
2022 Set 2	1	data response
2017	1	data response
2015	1	data response

8.6 Thermal Pollution

4 questions • data response x3, calculation

Source	Q	Type
2024 Set 1	3	calculation
2024 Set 2	1	data response
2023 Set 1	2	data response
2014	1	data response

8.7 Persistent Organic Pollutants (POPs)

3 questions • data response x3

Source	Q	Type
2025 Set 2	1	data response
2024 Set 1	1	data response
2022 Set 1	1	data response

8.8 Bioaccumulation and Biomagnification

3 questions • data response x3

Source	Q	Type
2024 Set 1	1	data response
2022 Set 1	1	data response
2021 Set 1	2	data response

8.9 Solid Waste Disposal

5 questions • calculation x3, data response x2

Source	Q	Type
2023 Set 2	3	calculation
2022 Set 2	3	calculation
2018	1	data response
2016	3	data response
2015	2	calculation

8.10 Waste Reduction Methods

5 questions • data response x3, calculation x2

Source	Q	Type
2023 Set 2	3	calculation
2018	1	data response
2017	1	data response
2016	3	data response
2015	2	calculation

8.11 Sewage Treatment

3 questions • data response x2, calculation

Source	Q	Type
2024 Set 1	1	data response
2017	1	data response
2014	2	calculation

8.14 Pollution and Human Health

8 questions • calculation x4, data response x4

Source	Q	Type
2023 Set 1	3	calculation
2022 Set 2	3	calculation
2021 Set 1	2	data response
2021 Set 2	3	calculation
2018	4	data response
2016	3	data response
2015	2	calculation
2015	4	data response

8.15 Pathogens and Infectious Diseases

1 question • short answer

Source	Q	Type
2016	1	short answer

9.4 Increases in the Greenhouse Gases

6 questions • data response x3, calculation x2, short answer

Source	Q	Type
2024 Set 1	2	data response
2024 Set 1	3	calculation
2023 Set 2	3	calculation
2019	3	data response
2014	1	data response
2014	4	short answer

9.5 Global Climate Change

8 questions • data response x6, short answer x2

Source	Q	Type
2026	1	data response
2025 Set 2	1	data response
2024 Set 1	2	data response
2019	1	data response
2018	3	data response
2016	4	short answer
2015	1	data response
2014	4	short answer

9.6 Ocean Warming

4 questions • data response x4

Source	Q	Type
2026	1	data response
2026	2	data response
2019	3	data response
2018	3	data response

9.7 Ocean Acidification

1 question • data response

Source	Q	Type
2019	3	data response

9.8 Invasive Species

7 questions • data response x6, calculation

Source	Q	Type
2025 Set 1	1	data response
2025 Set 2	2	data response
2024 Set 2	3	calculation
2023 Set 1	1	data response
2023 Set 2	2	data response
2022 Set 2	2	data response
2018	1	data response

9.9 Endangered Species

6 questions • data response x5, calculation

Source	Q	Type
2026	1	data response
2026	3	calculation
2021 Set 2	2	data response
2019	1	data response
2018	3	data response
2017	2	data response

9.10 Human Impacts on Biodiversity

3 questions • data response x3

Source	Q	Type
2025 Set 1	1	data response
2021 Set 2	2	data response
2018	3	data response