



Student Name: _____

Class: _____

Student ID: _____

Date: _____

Assessment Details

Duration: 60 minutes	Total Marks: 100
Topics Covered:	<ul style="list-style-type: none">• Biodiversity• Human Impacts on the Environment• Conservation Strategies• Interdependence of Living Organisms

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Use the space provided for your answers.
4. If you need more space, use the additional pages at the end.
5. Time management is crucial - allocate approximately 1 minute per mark.

Question 1

[2 marks]

What is biodiversity?

A) The number of plants in an ecosystem

B) The variety of different species in an ecosystem

C) The number of animals in an ecosystem

D) The amount of water in an ecosystem

Question 2

[2 marks]

Which of the following is a human impact on the environment?

A) Deforestation

B) Conservation

C) Photosynthesis

D) Decomposition

Question 3

[8 marks]

Describe one way in which humans can help conserve biodiversity.

Question 4

[8 marks]

What is the importance of bees in an ecosystem?

Question 5

[20 marks]

Label the following diagram of a food chain, including producers, primary consumers, secondary consumers, and decomposers.

 Food Chain Diagram



Question 6

[10 marks]

Explain how the removal of a species from an ecosystem can affect the entire food chain.

Question 7

[10 marks]

Describe a conservation strategy that can help reduce the impact of human activities on the environment.

Differentiation Options

Foundation: Use the word bank provided to help with multiple choice questions.

Core: Use sentence stems to help with short answer questions.

Extension: Use additional resources, such as articles or videos, to research and include in your answers.

Bloom's Taxonomy Alignment

Remembering: Multiple Choice Questions	Understanding: Short Answer Questions
Applying: Diagram Labeling	Analyzing: Extension Questions
Evaluating: Extension Questions	Creating: Extension Questions

Multiple Intelligence Approaches

Visual-Spatial: Diagram Labeling	Linguistic: Short Answer Questions
Logical-Mathematical: Multiple Choice Questions	Naturalistic: Extension Questions
Interpersonal: Peer-to-peer support	Intrapersonal: Reflection and self-assessment

Clear Success Criteria

Define biodiversity and explain its importance in ecosystems.

Identify human impacts on the environment and conservation strategies.

Describe the interdependence of living organisms in an ecosystem.

Conclusion

Well done! You have completed the Exploring Ecosystems and Environmental Conservation assessment.

Remember to review your answers and reflect on what you have learned.

Use the feedback opportunities provided to improve your understanding and skills.

Marking Guide:

Multiple Choice Questions: 1. b) The variety of different species in an ecosystem, 2. a) Deforestation

Short Answer Questions: See page 3 and 5 for guidance

Diagram Labeling: See page 4 for guidance

Evidence Collection Methods:

Student answers, diagrams, and presentations

Feedback Opportunities:

Immediate feedback, peer-to-peer feedback, and self-assessment opportunities