



Student Name: _____

Class: _____

Student ID: _____

Date: _____

Assessment Details

Duration: 45 minutes	Total Marks: 100
Topics Covered:	<ul style="list-style-type: none">• Ecosystems• Environmental Conservation• Human Impacts on Ecosystems• Sustainability

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Write your answers in the spaces provided.
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 the primary function of producers in an ecosystem?

A) To decompose organic matter

B) To consume other organisms for energy

C) To produce their own food through photosynthesis

D) To regulate the water cycle

Question 2

[2 marks]

Which of the following is an example of a human impact on ecosystems?

A) Climate change

B) Deforestation

C) Pollution

D) All of the above

Question 3

[2 marks]

What is the term for the variety of different species in an ecosystem?

A) Biodiversity

B) Ecosystem services

C) Conservation

D) Sustainability

Question 4

[8 marks]

Describe the difference between a food chain and a food web. (Foundation: 2-3 sentences, Core: 4-5 sentences, Extension: 6-7 sentences)

Question 5

[8 marks]

Explain the importance of conservation efforts in protecting ecosystems. (Foundation: 2-3 sentences, Core: 4-5 sentences, Extension: 6-7 sentences)

Question 6

[20 marks]

Choose one of the following essay questions and answer it in detail.

- a) Discuss the impact of human activities on a specific ecosystem (e.g., deforestation in the Amazon rainforest). (Foundation: 100-150 words, Core: 150-200 words, Extension: 200-250 words)
- b) Explain the concept of sustainability and its relationship to environmental conservation. (Foundation: 100-150 words, Core: 150-200 words, Extension: 200-250 words)

Question 7

[10 marks]

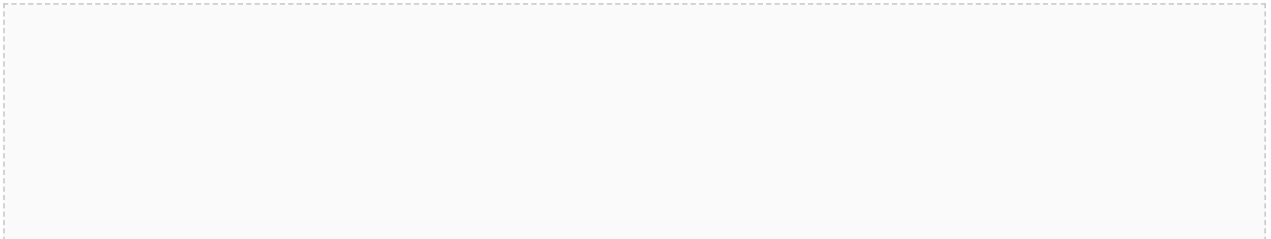
Draw a diagram of a food web, labeling the different components. (Foundation: simple diagram, Core: detailed diagram, Extension: complex diagram with explanations)



Question 8

[10 marks]

Write a short poem or song about the importance of conservation. (Foundation: 4-6 lines, Core: 8-10 lines, Extension: 12-15 lines)



Question 9

[10 marks]

Reflect on your learning and complete the following self-assessment.

a) What did you learn about ecosystems and environmental conservation during this assessment?

b) What challenges did you face, and how did you overcome them?

c) What would you like to learn more about in the future?

Multiple Choice Questions

1. c) To produce their own food through photosynthesis
2. d) All of the above
3. a) Biodiversity

Short Answer Questions

Marking criteria:

1. Foundation: 2-3 sentences, basic understanding of food chains and food webs

Core: 4-5 sentences, clear explanation of the difference between food chains and food webs

Extension: 6-7 sentences, detailed explanation with examples

2. Foundation: 2-3 sentences, basic understanding of conservation efforts

Core: 4-5 sentences, clear explanation of the importance of conservation

Extension: 6-7 sentences, detailed explanation with examples and suggestions for improvement

Essay Question

Marking criteria:

Foundation: 100-150 words, basic understanding of the topic, some relevant points

Core: 150-200 words, clear explanation, several relevant points

Extension: 200-250 words, detailed explanation, many relevant points, and examples