



## Introduction to Ecosystems

Read the following text and answer the questions that follow:

Welcome to the world of ecosystems and biodiversity! In this worksheet, we will explore the fascinating world of living things and their interactions with each other and their environment. We will learn about the different components of an ecosystem, the importance of biodiversity, and how human activities impact the environment.

1. What is an ecosystem?

2. Why are ecosystems important?

## Components of an Ecosystem

Match the following words with their definitions:

Component	Definition
Producers	Organisms that make their own food through photosynthesis
Consumers	Organisms that eat other organisms for food
Decomposers	Organisms that break down dead plants and animals
Detritivores	Organisms that eat dead plants and animals

## Biodiversity

*Read the following text and answer the questions that follow:*

Biodiversity refers to the variety of different species of plants, animals, and microorganisms that live in an ecosystem. It is essential for maintaining healthy ecosystems and providing ecosystem services, such as pollination, pest control, and climate regulation.

1. What is biodiversity?

2. Why is biodiversity important?

## Human Impact on Ecosystems

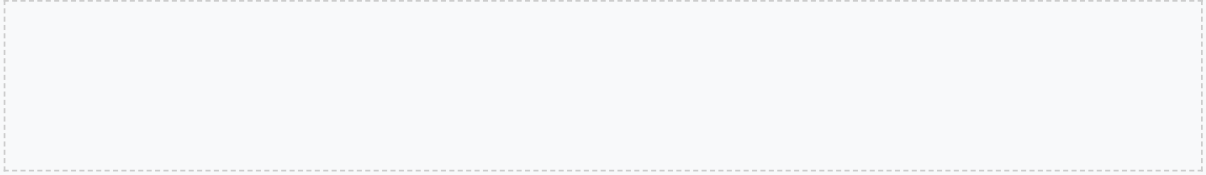
*Read the following text and answer the questions that follow:*

Human activities, such as deforestation, pollution, and climate change, can have a significant impact on ecosystems and biodiversity. These activities can lead to the loss of habitat, the decline of species, and the degradation of ecosystem services.

1. What are some ways that human activities can impact ecosystems?

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2. Why is it important to conserve ecosystems and biodiversity?



## Conservation Efforts

*Read the following text and answer the questions that follow:*

There are many ways to conserve ecosystems and biodiversity, including the establishment of national parks, wildlife reserves, and sustainable practices. These efforts can help to protect and preserve ecosystems and biodiversity for future generations.

1. What are some ways to conserve ecosystems and biodiversity?

2. Why is it important to conserve ecosystems and biodiversity?

## ELL/ESL Support Strategies

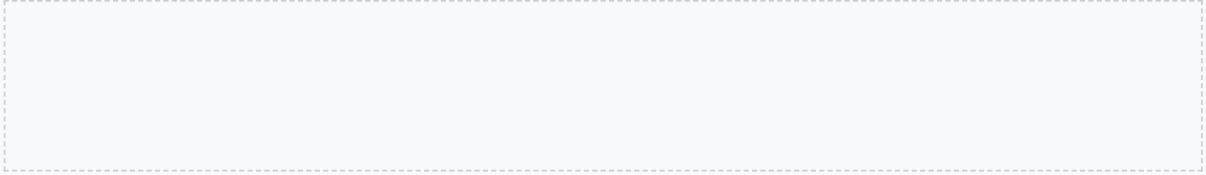
*Read the following text and answer the questions that follow:*

ELL/ESL support strategies can help to support students who are non-native English speakers. These strategies can include providing visual aids, using simple language, and encouraging students to use dictionaries or online resources to look up unfamiliar vocabulary.

1. What are some ELL/ESL support strategies?

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2. Why are ELL/ESL support strategies important?



### Activity 1: Ecosystem Diagram

*Draw a diagram of a simple ecosystem, including producers, consumers, decomposers, and detritivores. Label each component and describe its role in the ecosystem.*

[Space for diagram]

### Activity 2: Biodiversity Matching

*Match the following words with their definitions:*

Word	Definition
Biodiversity	The variety of different species of plants, animals, and microorganisms that live in an ecosystem
Ecosystem	A community of living and non-living things that interact with each other in a specific environment
Producer	An organism that makes its own food through photosynthesis
Consumer	An organism that eats other organisms for food
Decomposer	An organism that breaks down dead plants and animals

### Question 1: What is the importance of biodiversity?

*Write a short answer to the following question:*

### Question 2: How do human activities impact ecosystems and biodiversity?

*Write a short answer to the following question:*

### Question 3: What are some ways to conserve ecosystems and biodiversity?

*Write a short answer to the following question:*

### Conclusion

*Read the following text and answer the questions that follow:*

In conclusion, ecosystems and biodiversity are essential for maintaining life on Earth. Human activities can have a significant impact on ecosystems and biodiversity, but there are many ways to conserve and protect them. By understanding the components of an ecosystem, the importance of biodiversity, and the impact of human activities, we can work towards preserving the natural world for future generations.

1. What is the main idea of this worksheet?

2. Why is it important to conserve ecosystems and biodiversity?



