

Introduction

Welcome to our introduction to ecosystems and interconnectedness! In this worksheet, we will explore the fascinating world of ecosystems and how living things depend on each other. We will also learn about the different types of ecosystems and how human actions can impact the environment.

Foundation Activity: Matching Game

Match the following words with their definitions:

Word	Definition
Ecosystem	_____
Community	_____
Environment	_____

What is an Ecosystem?

An ecosystem is a community of living and non-living things that interact with each other in a specific environment. This can include plants, animals, water, soil, and air.

Core Activity: Short Paragraph

Write a short paragraph describing what an ecosystem is and give an example.

Extension Activity: Research and Write

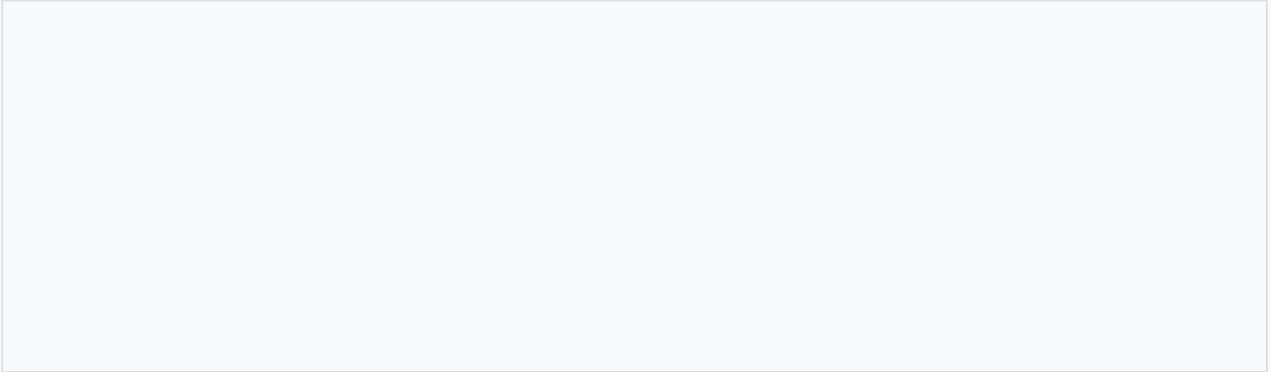
Research and write about a specific ecosystem, such as a forest or coral reef.

Interconnectedness in Ecosystems

Interconnectedness refers to the way species and components within an ecosystem depend on and affect each other. For example, plants produce oxygen through photosynthesis, which is essential for animals to breathe.

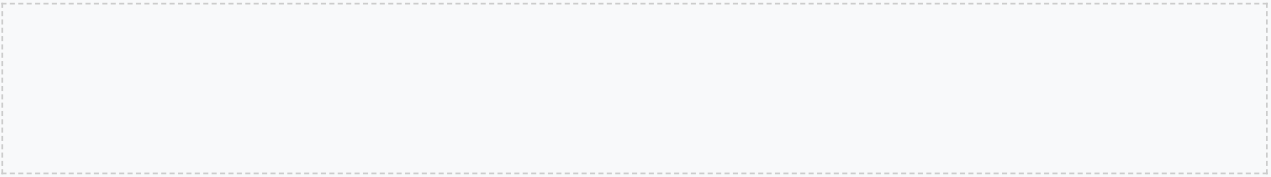
Foundation Activity: Diagram

Draw a simple diagram showing how plants and animals are connected in an ecosystem.



Core Activity: Short Essay

Write a short essay explaining the concept of interconnectedness in ecosystems and give examples.



Types of Ecosystems

There are many different types of ecosystems, including terrestrial (land-based) ecosystems like forests, grasslands, and deserts, and aquatic (water-based) ecosystems like rivers, lakes, and oceans.

Foundation Activity: Matching Game

Match the following types of ecosystems with their descriptions:

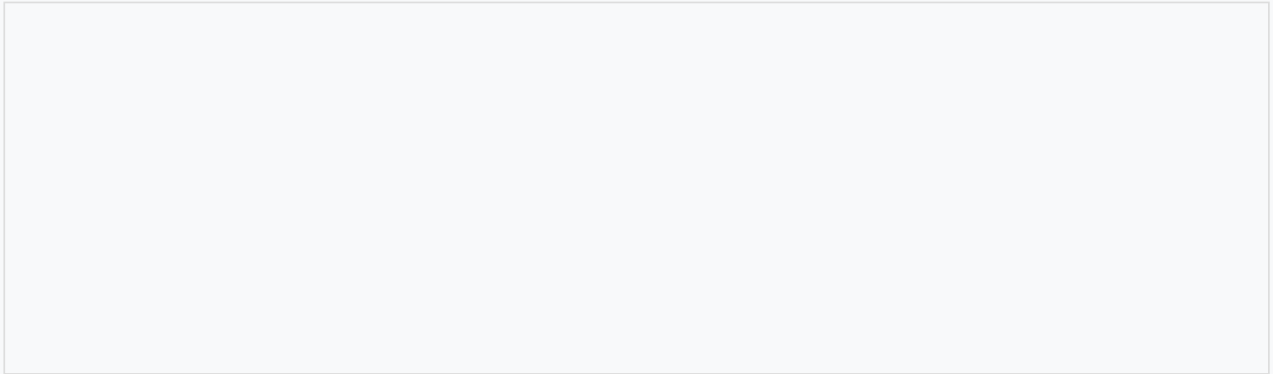
Type of Ecosystem	Description
Forest	_____
Desert	_____
Ocean	_____

Human Impact on Ecosystems

Human activities such as deforestation, pollution, and climate change can significantly impact ecosystems, leading to loss of biodiversity and disruption of the balance of nature.

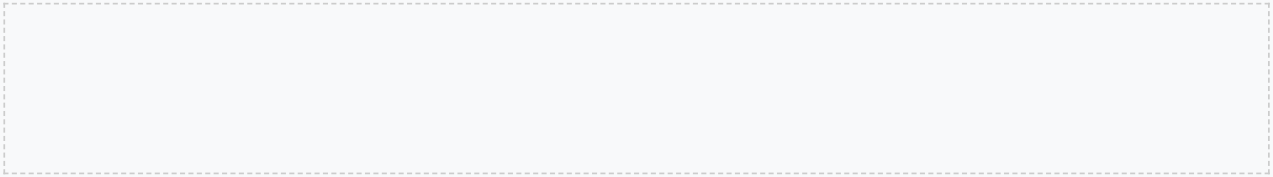
Foundation Activity: Picture

Draw a picture showing how human actions can affect an ecosystem.



Core Activity: Short Essay

Write a short essay explaining the impact of human actions on ecosystems and give examples.



Activities and Questions

Question 1: Role of a Producer

What is the role of a producer in an ecosystem?

Question 2: Human Impact

How do humans impact ecosystems?

Question 3: Biodiversity

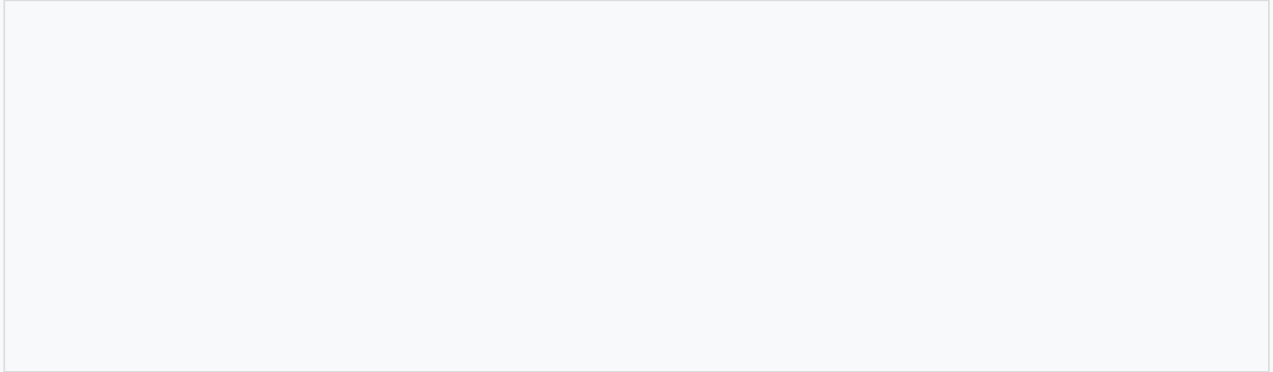
What is biodiversity, and why is it important?

Conclusion

In conclusion, ecosystems and interconnectedness are fascinating topics that help us understand the natural world and our place within it. By learning about the different types of ecosystems and how human actions can impact the environment, we can develop a sense of responsibility towards preserving natural balances.

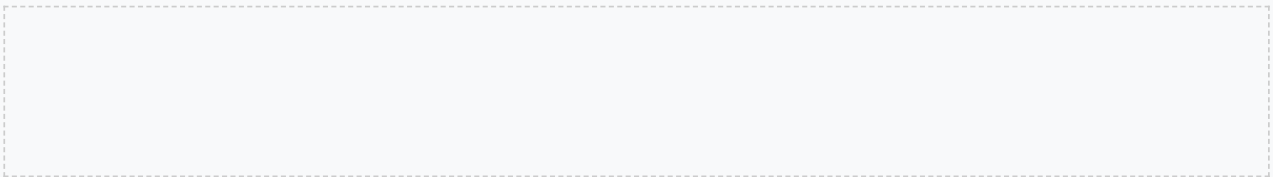
Foundation Activity: Picture

Draw a picture showing what you have learned about ecosystems and interconnectedness.



Core Activity: Reflection

Write a short reflection on what you have learned and how you can apply it in your daily life.



ELL/ESL Support Strategies

Use visual aids and simplified language to support understanding. Provide bilingual resources and dictionaries. Encourage peer support and group work. Offer additional time to complete tasks and assignments.

