



Introduction to Biodiversity and Conservation (10 minutes)

Read the following text and answer the questions:

Biodiversity refers to the variety of life in the world or in a particular habitat or ecosystem. It is essential for maintaining ecosystem services such as air and water purification, soil formation, and climate regulation. Conservation strategies are methods or techniques used to protect and preserve biodiversity.

1. What is biodiversity, and why is it important?

2. What are some conservation strategies that can be used to protect biodiversity?

Understanding Ecosystems (15 minutes)

Match the following ecosystems with their characteristics:

Ecosystem	Characteristics
Forests	_____
Grasslands	_____
Coral Reefs	_____

Conservation Strategies (20 minutes)

What are some conservation strategies that can be used to protect biodiversity in the Amazon rainforest?

1. _____

2. _____

3. _____

Human Impact on Biodiversity (15 minutes)

What are some human activities that have a significant impact on biodiversity?

1. _____

2. _____

3. _____

Case Studies (20 minutes)

Read the following case studies and answer the questions:

The Amazon rainforest is one of the most biodiverse ecosystems on the planet. However, it is facing significant threats from deforestation and climate change.

Coral reefs are complex ecosystems that support a vast array of marine life. However, they are facing significant threats from climate change, overfishing, and pollution.

1. What are some threats to the Amazon rainforest?

2. What are some threats to coral reefs?

Activities and Questions (20 minutes)

Choose one of the following activities:

1. Draw a diagram showing the relationship between human activity and environmental changes
2. Write a short story from the perspective of a local plant or animal
3. Create a poster promoting environmental awareness

[Space for creative work]

Reflection & Conclusion (10 minutes)

Individual Reflection:

1. What was the most surprising thing you learned today?

2. How will this learning change your actions in the future?

3. What questions do you still have about environmental impact?

Glossary (5 minutes)

Define the following terms:

1. Biodiversity: _____
2. Ecosystem: _____
3. Conservation: _____

References (5 minutes)

List the sources used in this activity:

1. _____
2. _____
3. _____

Answer Key (5 minutes)

Check your answers with the answer key:

Activity 1: Ecosystem Matching

Forests: Support a wide range of plant and animal species

Grasslands: Characterized by grasses and other herbaceous plants

Coral Reefs: Support a vast array of marine life

