

## Introduction to Ecosystems (10 minutes)

*In pairs, discuss and write your thoughts on the following questions:*

1. What is an ecosystem and how does it function?
2. What are the different types of ecosystems (natural and artificial)?
3. How do living organisms interact with their environment?

## Understanding Biodiversity (20 minutes)

*Work in groups to match the following terms with their definitions:*

Term	Definition
Ecosystem	
Biodiversity	
Adaptation	

## Exploring Human Impact (25 minutes)

*Work in groups to brainstorm and list the different ways human activities affect ecosystems:*

- Deforestation
- Pollution
- Climate Change
- Overfishing

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Food Chains and Food Webs (20 minutes)

Work in pairs to create a food chain and food web for a given ecosystem:

Example Ecosystem: Coral Reef

Producer	Primary Consumer	Secondary Consumer

Case Study: Conservation Efforts (25 minutes)

Read the following case study and answer the questions:

Case Study: The Amazon Rainforest

1. What are the main threats to the Amazon Rainforest?

2. What conservation efforts are being made to protect the Amazon Rainforest?

3. How can individuals contribute to the conservation of the Amazon Rainforest?

## Creative Response (15 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?

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## Ecosystem Services (20 minutes)

Work in groups to match the following ecosystem services with their definitions:

Ecosystem Service	Definition
Provisioning Services	
Regulating Services	
Cultural Services	

## Human Impact on Ecosystems (25 minutes)

Work in pairs to brainstorm and list the different ways human activities affect ecosystems:

- Deforestation and Land-Use Changes
- Pollution and Climate Change
- Overexploitation of Resources
- Introduction of Invasive Species

## Sustainable Development (20 minutes)

Read the following case study and answer the questions:

### Case Study: Sustainable Development in the Amazon Rainforest

1. What are the main challenges to sustainable development in the Amazon Rainforest?
2. What strategies can be implemented to promote sustainable development in the Amazon Rainforest?
3. How can individuals contribute to sustainable development in the Amazon Rainforest?

## Environmental Policy and Law (25 minutes)

Work in groups to discuss and present on the following topics:

1. International Environmental Agreements (e.g. Paris Agreement)
2. National Environmental Policies (e.g. Clean Air Act)
3. Local Environmental Initiatives (e.g. Recycling Programs)

## Environmental Ethics (20 minutes)

*Work in pairs to discuss and write about the following topics:*

1. Anthropocentrism vs. Ecocentrism
2. Deep Ecology vs. Shallow Ecology
3. Environmental Justice and Human Rights

## Environmental Education and Awareness (25 minutes)

*Work in groups to brainstorm and present on the following topics:*

1. Importance of Environmental Education
2. Strategies for Promoting Environmental Awareness
3. Role of Media and Technology in Environmental Education

## Community Engagement and Participation (20 minutes)

*Work in pairs to discuss and write about the following topics:*

1. Importance of Community Engagement in Environmental Conservation
2. Strategies for Promoting Community Participation
3. Role of Local Governments and Organizations in Community Engagement

## Environmental Career Paths (25 minutes)

*Work in groups to research and present on the following career paths:*

1. Conservation Biologist
2. Environmental Consultant
3. Sustainability Specialist
4. Environmental Educator

## Final Project Presentations (30 minutes)

*Work in groups to present your final projects:*

1. Introduction to the project
2. Methodology and approach
3. Results and findings
4. Conclusion and recommendations

## Course Evaluation and Feedback (15 minutes)

*Please take a few minutes to complete the course evaluation survey:*

Survey questions will be provided separately



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