



PLANIT
TEACHERS

Human Impacts on Ecosystems: A Worksheet for 14-Year-Old Students

Student Name: _____

Class: _____

Due Date: _____

Introduction

Welcome to this worksheet on human impacts on ecosystems! As a 14-year-old student, you are now aware of the importance of taking care of our planet. Human activities such as deforestation, pollution, and climate change can have significant impacts on ecosystems. In this worksheet, you will learn more about these impacts and what you can do to help reduce them.

Multiple Choice Questions

Choose the correct answer for each question:

1. What is the main cause of deforestation?

- a) Climate change
- b) Pollution
- c) Human activities such as agriculture and urbanization
- d) Natural disasters

Answer: c) Human activities such as agriculture and urbanization

2. What is the effect of pollution on human health?

- a) It has no effect
- b) It causes respiratory problems and other diseases
- c) It only affects animals
- d) It only affects plants

Answer: b) It causes respiratory problems and other diseases

3. What is the main consequence of climate change on ecosystems?

- a) It has no effect
- b) It causes an increase in biodiversity
- c) It leads to the loss of species and ecosystem degradation
- d) It only affects the weather

Answer: c) It leads to the loss of species and ecosystem degradation

Short Answer Questions

Answer each question in around 50-75 words:

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

2. How do human activities such as deforestation and pollution affect ecosystems?

Essay Question

Choose one of the following essay questions and answer it in around 150-200 words:

1. What are the main human activities that impact ecosystems, and how can we reduce their impacts?

2. How does climate change affect ecosystems, and what can we do to mitigate its effects?

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

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

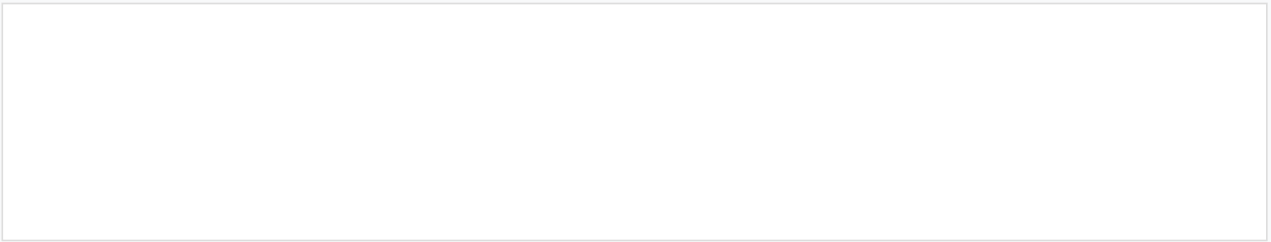
2. How can we help to protect the Amazon rainforest?

Group Activity

Work in groups to complete the following activity:

Create a poster or infographic that illustrates the impacts of human activities on ecosystems. Include the following information:

- The main human activities that impact ecosystems
- The effects of these activities on biodiversity and ecosystem function
- Ways to reduce the impacts of human activities on ecosystems



Write a short story or poem about a character who is working to reduce their impact on the environment.

Word Search

Complete the following word search using vocabulary related to human impacts on ecosystems:

AELMOSSPHEREOCEANS

ITCELEARAIRPOLLUTI

ONCEANSDEFORESTATI

ONSUSTAINABILITYEC

OCEANSCLIMATECHANGE

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Complete the following quiz to test your knowledge of human impacts on ecosystems:

1. What is the main cause of climate change?

- a) Deforestation
- b) Pollution
- c) Burning of fossil fuels
- d) Natural disasters

Answer: c) Burning of fossil fuels

2. What is the effect of pollution on ecosystems?

- a) It has no effect
- b) It leads to an increase in biodiversity
- c) It disrupts ecosystem processes and harms wildlife
- d) It only affects human health

Answer: c) It disrupts ecosystem processes and harms wildlife

Conclusion

Congratulations on completing this worksheet on human impacts on ecosystems! You now have a better understanding of the main human activities that impact ecosystems, and what you can do to help reduce their impacts. Remember that every small action counts, and by working together, we can make a difference and protect our planet for future generations.