

Text Evidence Worksheet Questions and Answers PDF

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Part 1: Building a Foundation

What is the primary cause of rising global temperatures?

Hint: Consider the main contributors to climate change.

- Deforestation
- Increased volcanic activity
- Greenhouse gas emissions ✓**
- Solar flares

■ The primary cause of rising global temperatures is greenhouse gas emissions.

Which of the following are effects of air pollution? (Select all that apply)

Hint: Think about the health and environmental impacts of air pollution.

- Improved respiratory health
- Increased respiratory health issues ✓**
- Enhanced visibility
- Environmental degradation ✓**

■ Air pollution can lead to increased respiratory health issues and environmental degradation.

Define globalization in your own words.

Hint: Consider the interconnectedness of economies and cultures.

Globalization refers to the process of increased interconnectedness and interdependence among countries, particularly in terms of trade, culture, and communication.

List two consequences of melting polar ice caps.

Hint: Think about the environmental and social impacts.

1. Consequence 1

Rising sea levels

2. Consequence 2

Loss of habitat for polar species

Consequences of melting polar ice caps include rising sea levels and loss of habitat for polar species.

Part 2: Understanding and Interpretation

How does globalization contribute to cultural exchange?

Hint: Think about the effects of trade and communication.

- By isolating communities
- Through international trade and communication ✓**
- By reducing travel opportunities
- Through increased tariffs

Globalization contributes to cultural exchange through international trade and communication.

Which of the following statements accurately describe the impact of technological advancements on manufacturing? (Select all that apply)

Hint: Consider how technology changes production processes.

- Decreased efficiency
- Increased automation ✓
- Reduced production costs ✓
- Limited product variety

Technological advancements in manufacturing lead to increased automation and reduced production costs.

Explain how plastic waste affects marine life.

Hint: Think about the various ways plastic can impact ocean ecosystems.

Plastic waste affects marine life by causing ingestion and entanglement, leading to injury or death for many species.

Part 3: Applying Knowledge

Which action can individuals take to reduce their carbon footprint?

Hint: Consider daily habits that impact carbon emissions.

- Increase use of single-use plastics
- Use public transportation ✓
- Increase meat consumption
- Leave lights on when not in use

Using public transportation is an effective action individuals can take to reduce their carbon footprint.

In what ways can businesses contribute to reducing pollution? (Select all that apply)

Hint: Think about corporate practices that can minimize environmental impact.

- Implementing recycling programs ✓**
- Increasing energy consumption
- Using renewable energy sources ✓**
- Disposing of waste in landfills

Businesses can reduce pollution by implementing recycling programs and using renewable energy sources.

Describe a real-world scenario where technological advancements have improved communication.

Hint: Think about specific technologies that have changed how we connect.

Technological advancements such as smartphones and the internet have significantly improved communication by enabling instant connectivity.

Part 4: Analyzing Relationships

What is a potential negative impact of globalization on local cultures?

Hint: Consider how globalization can affect cultural diversity.

- Preservation of traditional practices
- Cultural homogenization ✓**
- Increased cultural diversity
- Strengthening of local languages

A potential negative impact of globalization on local cultures is cultural homogenization.

Analyze the relationship between climate change and biodiversity loss. Which of the following are true? (Select all that apply)

Hint: Think about how climate change affects ecosystems and species.

- Climate change creates new habitats for all species
- Some species may become extinct due to changing climates ✓**
- Biological diversity loss can exacerbate climate change ✓**
- All species can easily adapt to new climate conditions

Climate change can lead to species extinction and biodiversity loss can exacerbate climate change.

Discuss how economic development can lead to environmental degradation.

Hint: Consider the trade-offs between development and environmental health.

Economic development can lead to environmental degradation through increased resource extraction and pollution.

Part 5: Synthesis and Reflection

Which policy would be most effective in reducing global carbon emissions?

Hint: Think about policies that incentivize reduction in emissions.

- Subsidizing fossil fuels
- Implementating carbon taxes ✓**
- Encouraging deforestation
- Reducng renewable energy investments

Implementating carbon taxes would be the most effective policy in reducing global carbon emissions.

Evaluate the effectiveness of the following strategies in promoting sustainable development. (Select all that apply)

Hint: Consider strategies that support long-term environmental health.

- Investing in renewable energy ✓**
- Promoting single-use plastics
- Enhancing public transportation ✓**
- Encouraging waste reduction ✓**

Investments in renewable energy, enhancing public transportation, and encouraging waste reduction are effective strategies for promoting sustainable development.

Propose a solution to address the issue of plastic waste in oceans and justify your approach.

Hint: Think about innovative solutions and their potential impact.

A solution to address plastic waste in oceans could involve implementing comprehensive recycling programs and public awareness campaigns to reduce plastic use.