



Human Impact on the Environment

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A town's population doubles in 20 years. Which is the MOST likely effect on energy use and air quality?

- A) Energy use rises and air pollution increases
- B) Energy use drops because more people share
- C) Air quality improves with more people
- D) No change occurs in either factor

2. A city replaces 50% of its coal plants with wind turbines. What outcome is MOST expected over time?

- A) More smog and acid rain
- B) Less air pollution and lower greenhouse gases
- C) Higher fossil fuel use
- D) More mining waste

3. A farmer sprays heavy pesticides near a stream. Which result is MOST likely downstream?

- A) Fish populations grow rapidly
- B) Water becomes safer for drinking
- C) Chemicals harm aquatic life and water quality
- D) Stream temperature drops significantly

4. A school launches a recycling and composting program. After one year, the MOST likely outcome is:

- A) More garbage sent to landfills
- B) Higher energy bills for the school
- C) Fewer trees planted nearby
- D) Less waste sent to landfills and richer soil from compost

Part B: Fill in the Blank

Write the correct answer on each line.

1. Burning fossil fuels releases carbon dioxide, a major _____ gas.
2. Long-term changes in Earth's average weather are called _____ change.
3. Acid rain forms when smoke gases mix with water in the _____.
4. When too many fish are caught, the population can _____.
5. Rules or laws made to protect nature are called environmental _____.

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Part B: Fill in the Blank

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1. Burning fossil fuels releases carbon dioxide, a major greenhouse gas.
2. Long-term changes in Earth's average weather are called climate change.
3. Acid rain forms when smoke gases mix with water in the atmosphere.
4. When too many fish are caught, the population can collapse.
5. Rules or laws made to protect nature are called environmental policies.