

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Changing Climates 4th Grade Analytical Quiz

Evaluate how shifting weather patterns affect local habitats and interpret data on human-made heat traps during this mid-unit assessment.

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**1. If a coastal city experiences more frequent high-tide flooding than it did fifty years ago, which climate change impact is most likely responsible?**

- A. Lower humidity levels
- B. Global sea level rise
- C. Decreased volcanic activity
- D. Slower wind speeds

**2. True or False: Planting a community garden in an empty city lot can help lower local temperatures and absorb carbon dioxide.**

- A. True
- B. False

**3. When we use energy from the sun or wind instead of burning oil, we are choosing to use \_\_\_\_\_ energy sources.**

- A. fossil fuel
- B. renewable
- C. exhaustible
- D. ancient

**4. Which of these is a direct example of an animal 'adapting' to a changing climate rather than a cause of global warming?**

- A. A bird species migrating earlier in the spring because of warmer temperatures
- B. A factory releasing smoke into the atmosphere
- C. A person driving a gasoline-powered car to the store
- D. A landfill releasing gases as trash breaks down

**5. True or False: The greenhouse effect is a natural process that keeps Earth warm enough for life, but humans are making it stronger.**

- A. True
- B. False

**6. The long-term pattern of weather in a specific area, usually measured over 30 years or more, is called \_\_\_\_\_.**

- A. forecast
- B. meteorology
- C. climate

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D. season

**7. How does the 'Urban Heat Island' effect relate to climate change in big cities?**

- A. Cities are naturally colder because of tall buildings
- B. Concrete and asphalt trap heat, making cities warmer than rural areas
- C. Cities have more trees than forests, which creates more oxygen
- D. Bicycles are the main cause of rising temperatures in cities

**8. To reduce the amount of waste in landfills and save energy, many schools participate in \_\_\_\_\_ programs.**

- A. deforestation
- B. urbanization
- C. recycling
- D. combustion

**9. True or False: Weather and climate mean exactly the same thing to scientists.**

- A. True
- B. False

**10. Which of these actions would be considered a way to 'mitigate' (or slow down) climate change?**

- A. Buying more plastic bottled water
- B. Leaving all the lights on at night
- C. Walking or biking to school instead of driving
- D. Cutting down older trees to build a parking lot