

# Gamification Quiz

## Carbon Emissions, Part 1

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School Site: \_\_\_\_\_

Student Name: \_\_\_\_\_

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

1. Which of the following are the top three Greenhouse Gases? Circle all answer options that apply.

- A. Carbon Dioxide
- B. Methane
- C. Carbon Monoxide
- D. Nitrous Oxide

2. Which of the following is an indirect Greenhouse Gas? Circle the best answer.

- A. Carbon Monoxide
- B. Nitrous Oxide
- C. Carbon Dioxide
- D. Methane

3. \_\_\_\_\_ is often referred to as the greenhouse effect.  
Enter the answer in the box below.

4. Which of the following are causes and effects of global warming? Circle all answer options that apply.

- A. Agriculture
- B. Transportation
- C. Energy Consumption
- D. Manufacturing

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5. Global warming is another way to describe which climate change phenomenon? Circle the best answer.
- A. Greenhouse gases
  - B. Greenhouse effect
  - C. Hot atmosphere
  - D. Atmospheric pressure
6. Which of the following are good examples of weather? Circle all answer options that apply.
- A. Rain
  - B. Planetary temperature increase
  - C. Snow
  - D. Ice melting in Antarctica
7. Which of the following are good examples of climate change? Circle all answer options that apply.
- A. Low air quality between 1970 and 2000
  - B. Hurricane
  - C. Tornado
  - D. Ice melting in Antarctica
8. What's the difference between weather and climate change? Circle all answer options that apply.
- A. Weather and climate change are the same.
  - B. A temporary condition or change in environmental conditions.
  - C. A change in weather conditions over a long period.
  - D. A temporary change in the atmosphere.