

# Gamification Quiz

## Eco-friendly Emissions, Part 1

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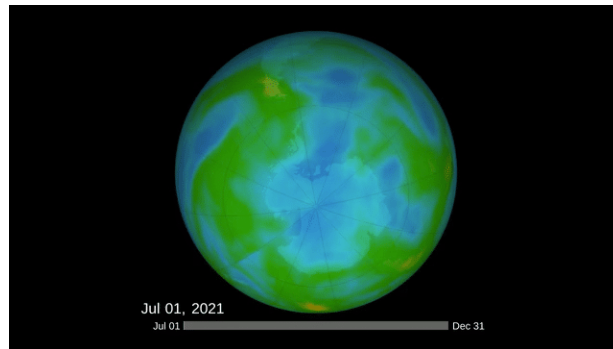
School Site: \_\_\_\_\_

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

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

1. Watch the State of Global Climate 2021 video, then answer the question.

State of Global Climate 2021  
(1:28 minutes)



[View Video](#)

What date do you think the ozone hole was the largest in 2021? Circle the best answer. **Hint:** You must pay attention to the changing effects happening to the Earth's Ozone Layer over Antarctica in the video. What do you notice?

- A. November 15
  - B. September 20
  - C. December 21
  - D. October 7
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2. The Ozone Hole found in the Earth's ozone layer in 2021 was larger and deeper than \_\_\_\_\_ of ozone holes since 1979, reaching a maximum area of \_\_\_\_\_ million km<sup>2</sup>. Circle the best answer.
    - A. 70%, 24.8
    - B. 50%, 22.4
    - C. 24.8%, 70
    - D. 70% 50.8

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3. According to the World Meteorological Organization, "Land ecosystems and oceans absorb about half the CO<sub>2</sub> in the Earth's atmosphere and are a buffer against even greater temperature increases." Circle the best answer.
- A. True
  - B. False
4. Earth's global average temperature is \_\_\_\_\_ hotter than it was in 1880. Circle the best answer.
- A. 3.4 °F
  - B. 2.1 °C
  - C. 1.9 °C
  - D. 2.1 °F
5. Which of the following are Earth's vital signs? Circle all answer options that apply.
- A. Atmosphere
  - B. Temperature
  - C. Sea ice
  - D. Sea level