

Quick Check

Threats to Our Atmosphere

Name _____ Date _____

Instructions: Read each question carefully and choose the best answer.

1. When does the ozone layer rebuild?
 - Ⓐ during the night
 - Ⓑ during warmer months
 - Ⓒ during rainstorms
 - Ⓓ during colder months
2. What is an **atmosphere**?
 - Ⓐ the group of chemicals abundant on Earth
 - Ⓑ the gas that surrounds a planet
 - Ⓒ the collection of particles of elements that can exist alone
 - Ⓓ the group of different forms of water that falls to the ground
3. Why is the ozone layer important?
 - Ⓐ It forms clouds on Earth.
 - Ⓑ It absorbs harmful rays from the Sun.
 - Ⓒ It releases chemicals into the air.
 - Ⓓ It creates the greenhouse effect.
4. Which element is the most powerful in destroying ozone?
 - Ⓐ chlorine
 - Ⓑ bromine
 - Ⓒ ultraviolet light
 - Ⓓ chlorofluorocarbons
5. Which of the following statements supports the author's purpose?
 - Ⓐ Global warming is the worst problem Earth has ever experienced.
 - Ⓑ CFCs and ODCs are the most useful chemicals and can't be replaced.
 - Ⓒ The ozone layer will fully recover in time.
 - Ⓓ Earth's atmosphere can be harmed by chemicals.

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6. How are the effects of ozone holes different from the effects of global warming?

- Ⓐ Ozone holes allow people to see deep into space while global warming clouds the atmosphere.
- Ⓑ Ozone holes lead to the destruction of life on Earth while global warming is beneficial to Earth.
- Ⓒ Ozone holes allow dangerous light to enter Earth while global warming causes Earth's temperature to rise.
- Ⓓ None of the above

7. What are **fossil fuels**?

- Ⓐ fuels that were used by dinosaurs
- Ⓑ organic substances found underground and used as fuels
- Ⓒ energy created by the Sun's direct light
- Ⓓ invisible light that can be used as energy

8. What do greenhouse gases do?

- Ⓐ They cause Earth to heat up.
- Ⓑ They make plants decrease in size.
- Ⓒ They cause destruction of methane.
- Ⓓ They produce a cooling effect on Earth.

9. The countries that signed the Montreal Protocol hope the agreement will _____.

- Ⓐ return ozone levels to normal
- Ⓑ result in smaller ozone holes over Antarctica
- Ⓒ result in less UV light reaching Earth
- Ⓓ all of the above

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10. What is the author's main purpose for writing this book?

- Ⓐ to inform readers about the ozone layer
- Ⓑ to inform readers about global warming
- Ⓒ to inform readers about the effects of harmful chemicals on Earth's atmosphere
- Ⓓ to inform readers about chlorofluorocarbons

11. **Extended Response:** The title of this book is *Threats to Our Atmosphere*. Explain why you do or do not think this is a good title for the book. Give at least two supporting ideas for your opinion.

12. **Extended Response:** What are two ways you can help protect Earth's atmosphere?

Quick Check Answer Sheet

Threats to Our Atmosphere

Main Comprehension Skill: Author's Purpose

1. Ⓑ Main Idea and Details
2. Ⓑ Vocabulary
3. Ⓑ Cause and Effect
4. Ⓑ Main Idea and Details
5. Ⓓ Author's Purpose
6. Ⓒ Compare and Contrast
7. Ⓑ Vocabulary
8. Ⓐ Cause and Effect
9. Ⓓ Cause and Effect
10. Ⓒ Author's Purpose
11. Answers will vary but should be similar to one of the following:
Yes, I believe this is a good title because this book is mostly about how people on Earth are changing our atmosphere and what people can do to stop this from happening. No, I don't think this is a good title because this book also explains how to protect Earth in addition to how it is being threatened.
12. Answers will vary but would likely include the following:
walk or ride a bicycle rather than drive, avoid buying things with foam packaging, write letters to manufacturers and congressional representatives, drive hybrid vehicles, and so on.