

Land, Water, and Air Resources ▪ *Guided Reading and Study*

Global Changes in the Atmosphere (pp. 146–151)

This section describes how air pollution destroys the ozone layer and contributes to global warming.

Use Target Reading Skills

As you read, make an outline about global atmospheric changes that you can use for review. Use the red headings for the main ideas and the blue headings for the supporting ideas.

Global Changes in the Atmosphere	
I.	The thinning of the ozone layer
A.	The source of ozone
B.	
C.	
II.	Global climate change
A.	
B.	
C.	
D.	

The Thinning of the Ozone Layer (pp. 147–149)

1. A layer of the upper atmosphere that protects people from the effects of too much ultraviolet radiation is the _____.
2. Is the following sentence true or false? Ozone is constantly being made and destroyed. _____
3. What is the major cause of the ozone hole?

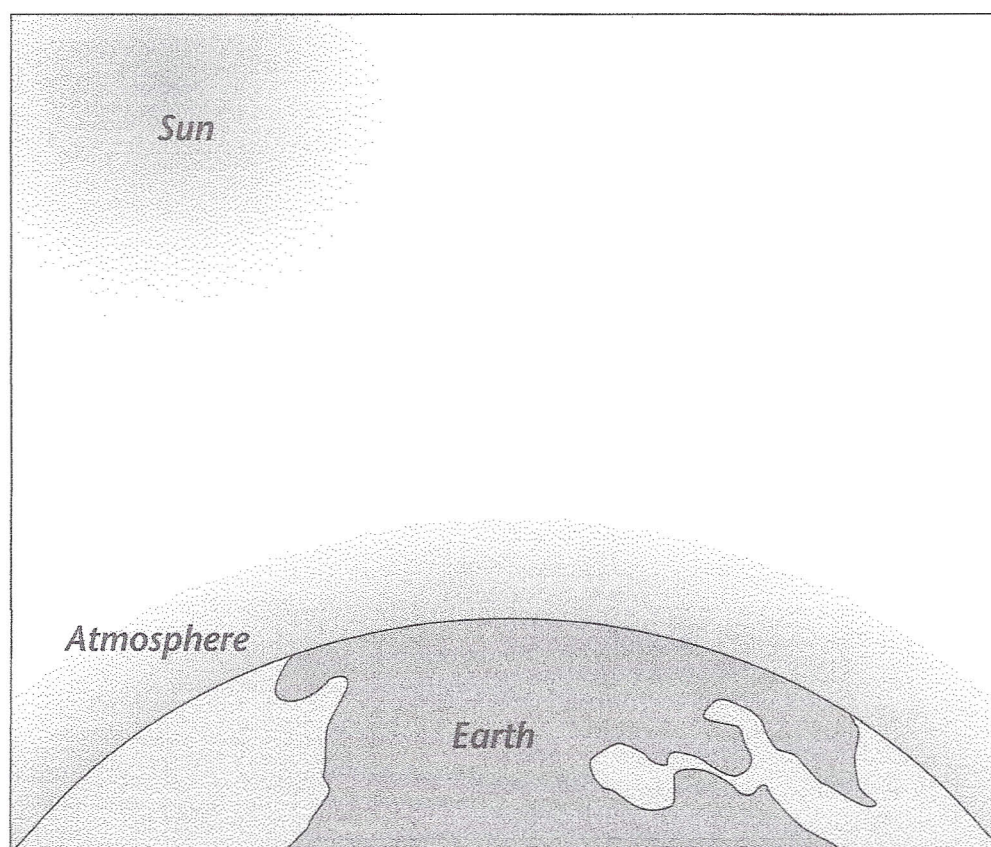
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4. What products contained chlorofluorocarbons?

Global Climate Change (pp. 150–151)

5. What is the greenhouse effect?

6. Add arrows and labels to the drawing so it illustrates the greenhouse effect.



Name _____ Date _____ Class _____

Land, Water, and Air Resources ▪ *Guided Reading and Study*

Global Changes in the Atmosphere *(continued)*

7. What is the theory of global warming?

8. Circle the letter of each sentence that is true about the consequences of global warming.

- a. There might be more severe storms.
- b. Parts of the polar ice cap would melt, causing increased flooding.
- c. It would affect climate patterns all over the world.
- d. Crops could be grown in more places.