

## Chapter 14

Text Pages 392–399

## STUDY GUIDE

## ● Earth's Atmosphere

In the blank at the left, write the letter of the term in Column II that matches each definition in Column I.

## Column I

- \_\_\_\_\_ 1. Layer of atmosphere where weather, clouds, and smog occur
- \_\_\_\_\_ 2. Force of air determined by temperature and distance above sea level
- \_\_\_\_\_ 3. Naturally occurring gas in the stratosphere that is considered a pollutant in the lower atmosphere
- \_\_\_\_\_ 4. Layer of the thermosphere that has a high concentration of electrically charged particles
- \_\_\_\_\_ 5. Most common gas in the atmosphere
- \_\_\_\_\_ 6. Layer of atmosphere that includes the ozone layer
- \_\_\_\_\_ 7. Type of pollution that can be formed by car exhaust and burning coal or oil
- \_\_\_\_\_ 8. Layer of atmosphere between the thermosphere and space

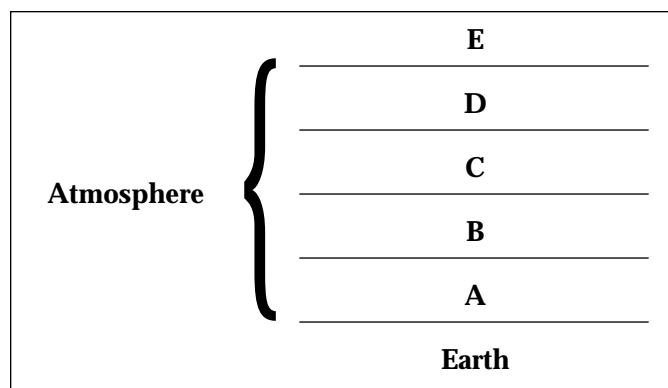
## Column II

- a. air pressure
- b. ionosphere
- c. nitrogen
- d. ozone
- e. smog
- f. stratosphere
- g. exosphere
- h. troposphere

In the blank, write the term that correctly completes each sentence. Use the information in your textbook.

9. \_\_\_\_\_ makes up from 0 to 4 percent of the atmosphere.
10. The \_\_\_\_\_ contains 75 percent of the atmospheric gases.
11. The division of Earth's atmosphere into layers is based on \_\_\_\_\_ differences.
12. Cold air is denser than warm air and, therefore, has higher \_\_\_\_\_.
13. \_\_\_\_\_ is the only substance that exists as a solid, liquid, and gas in Earth's atmosphere.

Identify the five main layers of Earth's atmosphere.



14. A is the \_\_\_\_\_.

15. B is the \_\_\_\_\_.

16. C is the \_\_\_\_\_.

17. D is the \_\_\_\_\_.

18. E is the \_\_\_\_\_.