

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

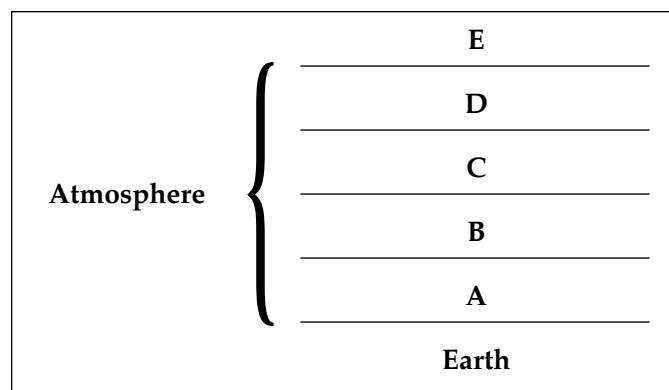
Column II

- 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 _____.