

Chapter 20

Text Pages 556–561

STUDY GUIDE

● Air Pollution

Match the items in Column I with the phrases in Column II. Write the letter of the correct phrase in the blank at the left.

Column I

- _____ 1. acid rain
- _____ 2. acid
- _____ 3. base
- _____ 4. carbon monoxide
- _____ 5. 1990 Clean Air Act
- _____ 6. mountains and valleys
- _____ 7. natural sources of pollution
- _____ 8. photochemical smog
- _____ 9. pH scale
- _____ 10. sulfurous smog

Column II

- a. Colorless, odorless gas present in some smog
- b. Occurs when nitrogen compounds react with sunlight
- c. Volcanic eruptions, forest fires, and grass fires
- d. Landforms that help smog form
- e. Sulfur dioxide or nitrogen compounds combined with moisture in the air
- f. Goals to clean up the air in the United States
- g. Formed when fossil fuels are burned, releasing sulfur compounds, dust, and smoke particles where there is little wind
- h. Type of solution with a low pH number
- i. Measure of acidity in a solution
- j. Type of solution with a high pH number

Finish the puzzle below. Then unscramble the letters in the boxes to complete Item 15.

11. smoke + fog = _____ _____

12. nitrogen + oxygen =

_____ _____ _____

13. sulfur compounds + stagnant air =

_____ _____ _____ _____

14. pollutants + sunlight =

_____ _____ _____ _____ _____

15. Goal of the 1990 Clean Air Act =
