

Chapter 29**Vocabulary**

air pollution
smog
air quality index (AQI)
asbestos
radon
noise pollution

decibel
biodegradable
landfill
hazardous waste
deforestation

urban sprawl
wastewater
conservation
precycling
recycling

Directions: Use the clues to solve the puzzle. Write one letter of each answer in each space provided. Then copy the boxed letters in order, and they will complete the sentence at the bottom of the page.

1. An odorless, radioactive gas
2. A fibrous material that has fireproof properties
3. Harmful, unwanted sound of sufficient intensity to damage hearing
4. A yellow-brown haze that forms when sunlight reacts with air pollution
5. A substance that is explosive, corrosive, highly reactive, or toxic
6. The contamination of earth's atmosphere
7. A unit that measures the intensity of sound
8. Reducing waste before it is generated
9. The spread of city development onto undeveloped land

1. _ _ _ _
2. _ _ _ _ _ _ _
3. _ _ _ _ _ _ _ _ _ _ _ _ _
4. _ _ _
5. _ _ _ _ _ _ _ _ _ _ _ _ _
6. _ _ _ _ _ _ _ _ _ _
7. _ _ _ _ _ _
8. _ _ _ _ _ _ _ _ _ _
9. _ _ _ _ _ _ _ _ _

Understanding the causes of pollution and learning strategies to reduce waste can help protect the earth's natural _ _ _ _ _ _ _ _ _ _.

Activity 107**Applying Health Skills**

FOR USE WITH CHAPTER 29, LESSON 1

Pollution Solutions

Directions: When people hear the term air pollution, they often think of huge factory smokestacks billowing dirty waste into the air. While industry is responsible for some pollution, the leading sources of air pollution in the United States are forms of transportation: motor vehicles, trains, ships, and airplanes. These sources of air pollution are under our control. The same is true for furnaces, fireplaces, and heaters, as well as cleaning products and chemicals. Noise pollution, an increasingly common problem, is another type of pollution we can control. Listed below are some common objects. For each, list ways to reduce the air and noise pollution associated with its use. Sometimes the same strategy will reduce both air and noise pollution.

1. Lawn mowersStrategies to reduce air pollution: _____

_____Strategies to reduce noise pollution: _____

_____**2. Cars**Strategies to reduce air pollution: _____

_____Strategies to reduce noise pollution: _____

_____**3. Leaf blowers/chain saws**Strategies to reduce air pollution: _____

_____Strategies to reduce noise pollution: _____

Activity 108**Applying Health Skills**

FOR USE WITH CHAPTER 29, LESSON 2

Spread the Word

Directions: Land and water resources are used by every person on earth. Human activity is often harmful to land and water resources. There are, however, many actions people can take to minimize their impact on both land and water. For each of the pollution sources listed below, identify related problems and suggest possible solutions

1. Solid waste disposal**Problem:** _____

_____**Solutions:** _____

_____**2. Hazardous waste****Problem:** _____

_____**Solutions:** _____

Activity 109**Applying Health Skills**

FOR USE WITH CHAPTER 29, LESSON 3

What's Your Score?

Directions: There are many actions you can take to conserve natural resources. Take the following quiz to see how well you practice conservation. Answer each question by checking the space labeled *always*, *sometimes*, or *never*. At the end of the quiz follow the instructions to add up your score.

Always **Sometimes** **Never**

- | | | | |
|-------|-------|-------|--|
| _____ | _____ | _____ | 1. I wear layers rather than turning up the heat. |
| _____ | _____ | _____ | 2. I turn off the lights when I leave the room. |
| _____ | _____ | _____ | 3. I turn off the TV when no one is watching. |
| _____ | _____ | _____ | 4. When possible, I use the microwave rather than the oven. |
| _____ | _____ | _____ | 5. I recycle household waste. |
| _____ | _____ | _____ | 6. I carry cloth bags for shopping, rather than using plastic. |
| _____ | _____ | _____ | 7. I turn off the computer when it isn't being used. |
| _____ | _____ | _____ | 8. I keep my windows shut when the heating or air conditioning is running. |
| _____ | _____ | _____ | 9. I turn off the water when I brush my teeth. |
| _____ | _____ | _____ | 10. I avoid long showers. |

Score 2 points for each time you answered *always*, 1 point for each time you answered *sometimes*, and 0 points for each time you answered *never*. Enter your total score: _____

If you scored

15–20: Good work—you often practice conservation strategies.

10–15: You could improve—try to remember the conservation strategies in the chapter.

0–10: Conservation is not a part of your daily habits—review the chapter and make a plan to start conserving today!

Chapter 29**Study Guide**

- STUDY TIPS:**
- Read *You'll Learn To* for each lesson.
 - Look up the meaning of any unfamiliar vocabulary terms.
 - Read the questions below before you read the chapter.

Directions: As you read the chapter, answer the following questions. Later, you can use this guide to review the information in the chapter.

Lesson 1

1. Define *air pollution*.

2. What does the abbreviation *AQI* stand for? What is its purpose?

3. List two actions you can take to reduce air pollution.

4. Name two sources of indoor air pollution.

5. What unit is used to measure the intensity of loudness of sound?

6. Name three sources of noise pollution.

Lesson 2

7. Define *biodegradable*.

8. What is hazardous waste?

Study Guide, Chapter 29 (Continued)

9. What is urban sprawl? How does it affect air and water quality?

10. What is wastewater? Why is it an environmental concern?

11. List two strategies for reducing water pollution.

12. List two strategies for reducing land pollution.

Lesson 3

13. List two strategies for conserving resources in each of the following categories: heating and cooling, water, lighting and appliances.

14. Define *precycling*.

15. What are two ways to precycle?

Study Guide, Chapter 29 *(Continued)*

16. Define *recycling*.

17. List three common household wastes that can be recycled.

18. What are two ways you can become involved in protecting the environment?
