

Directed Reading A

Section: Environmental Problems

1. What happened in the late 1700s that caused more harmful substances to enter the air, water, and soil?

POLLUTION

- _____ 2. An unwanted change in the environment caused by substances or forms of energy is
- | | |
|--------------------|---------------|
| a. overpopulation. | c. pollution. |
| b. biodiversity. | d. landfill. |

- _____ 3. Something that causes pollution is called a
- | | |
|---------------|---------------|
| a. resource. | c. change. |
| b. pollutant. | d. substance. |

- _____ 4. Pollutants can be natural, or they can be
- | | |
|---------------|----------------|
| a. unusual. | c. harmful. |
| b. renewable. | d. human-made. |

- _____ 5. What does the average American throw away more of than the average person in any other nation?
- | | |
|-----------|------------|
| a. plants | c. animals |
| b. trash | d. oil |

- _____ 6. Wastes that can catch fire, eat through metal, explode, or make people sick are called
- | | |
|----------------------|----------------------|
| a. harmful wastes. | c. hazardous wastes. |
| b. dangerous wastes. | d. critical wastes. |

- _____ 7. Which of these are hazardous wastes?
- | | |
|-------------------|-------------------|
| a. leftovers | c. medical wastes |
| b. lawn clippings | d. newspapers |

8. What are some ways that chemicals are useful to people?

Direct Reading A *continued*

9. Describe two groups of harmful chemicals and their effects.

10. Nuclear power plants produce _____, which give off dangerous radiation.

11. What in the atmosphere has increased since the Industrial Revolution?

12. What do many scientists believe has happened as the amount of carbon dioxide in the atmosphere has increased?

13. What effect could the rise in global temperatures have on the world's oceans?

14. How is noise pollution harmful?

RESOURCE DEPLETION

Match the correct description with the correct term. Write the letter in the space provided.

_____ 15. A resource that can be replaced at the same rate at which it is used is a(n)

- | | |
|---------------------------|----------------------------|
| a. renewable resource. | c. mineral or fossil fuel. |
| b. nonrenewable resource. | d. exhaustible resource. |

_____ 16. A resource that cannot be replaced or is replaced over thousands or millions of years is a

- | | |
|---------------------------|--------------------------|
| a. renewable resource. | c. wind energy resource. |
| b. nonrenewable resource. | d. timber resource. |

_____ 17. What is true about using oil or coal for energy?

- a. Coal and oil will last forever.
- b. Coal and oil may eventually run out.
- c. Coal and oil help the environment.
- d. Coal and oil will become easier to find.

Direct Reading A *continued*

- _____ 18. What might happen in areas where fresh water is used faster than it is replaced?
- a. Plants and animals will survive without water.
 - b. People might drink less water.
 - c. The areas might run out of fresh water.
 - d. There might be no change in the areas.

EXOTIC SPECIES

19. What is an exotic species?

20. Describe how exotic species might be moved from one part of the world to another.

HUMAN POPULATION GROWTH

- _____ 21. What advances have made human population growth possible?
- a. advances in housing and education
 - b. advances in radio and television
 - c. advances in medicine and farming
 - d. advances in farming and housing
- _____ 22. What word describes the presence of too many individuals in an area for the available resources?
- a. overpopulation
 - b. crowding
 - c. excessiveness
 - d. biodiversity

HABITAT DESTRUCTION

23. The place where an organism lives is its _____.
24. The number and variety of organisms in a given area during a specific period of time is _____.
25. What is the effect of habitat damage or destruction on biodiversity?

26. The clearing of forest lands is known as _____.

Direct Reading A *continued*

27. Describe one way deforestation is harmful to tropical rain forest habitats.

28. Pollution that comes from one source is called _____
pollution.

29. An oil spill is one example of _____ pollution in a
marine habitat.

30. Pollution that comes from many sources is called _____
pollution.

31. Chemicals washed from land into rivers, lakes, and oceans are an example of
_____ pollution in a marine environment.

32. How do plastics harm water habitats?

EFFECTS ON HUMANS

33. Describe how water pollution can harm humans.

34. Describe how air pollution can harm humans.

35. What is a possible long-term effect of exposure to some chemicals?
