

Assessment

Quiz

Section: Air, Noise, and Light Pollution

MATCHING

In the space provided, write the letter of the term or phrase that best matches the description.

- | | |
|--|---|
| _____ 1. causes stress, high blood pressure, hearing loss | a. indoor air pollution |
| _____ 2. solutions include shielding, time controls, and low-pressure sodium sources | b. sick-building syndrome |
| _____ 3. emphysema, lung cancer, heart disease | c. light pollution |
| _____ 4. can occur in tightly sealed buildings | d. noise pollution |
| _____ 5. sources include plastics, carpets, cleaning fluids, radon, and asbestos | e. long-term effects of air pollution |
| _____ 6. headache, eye irritation, coughing, bronchitis | f. short-term effects of air pollution |

MULTIPLE CHOICE

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- | | |
|--|---|
| _____ 7. Which is a natural indoor air pollutant?
a. carbon monoxide
b. formaldehyde
c. nitrogen oxides
d. radon | _____ 9. Which is true of air pollution and human health?
a. Years of research link air pollution to lung diseases.
b. Air pollution is commonly listed as a cause of death.
c. None of the health effects of air pollution are reversible.
d. Healthy adults are most affected by air pollution. |
| _____ 8. Which is <i>not</i> part of correcting sick-building syndrome?
a. removing sources of indoor air pollution
b. sealing cracks where air leaks into the building
c. improving ventilation
d. cleaning air ducts | _____ 10. Which air pollutant scars the lungs?
a. asbestos
b. radon
c. fungi
d. ozone |

Quiz

SECTION: WHAT CAUSES AIR POLLUTION?

Matching

- | | |
|------|------|
| 1. b | 4. a |
| 2. c | 5. f |
| 3. e | 6. d |
| 4. a | |

Multiple Choice

- | | |
|------|-------|
| 1. b | 7. a |
| 2. c | 8. d |
| 3. e | 9. c |
| 4. a | 10. b |

SECTION: AIR, NOISE, AND LIGHT POLLUTION

Matching

1. d
2. c
3. e
4. b
5. a
6. f

Multiple Choice

7. d
8. b
9. a
10. a

SECTION: ACID PRECIPITATION

Matching

1. d
2. c
3. e
4. a
5. f
6. b

Multiple Choice

7. b
8. a
9. d
10. c

Chapter Test General

MATCHING

1. c
2. e
3. f
4. i
5. h
6. j
7. a
8. d
9. b
10. g

MULTIPLE CHOICE

11. b
12. a
13. d
14. c
15. a
16. a
17. b
18. d
19. c
20. a

Chapter Test Advanced

MATCHING

1. e
2. b
3. g
4. i
5. f
6. j
7. d
8. a
9. h
10. c

MULTIPLE CHOICE

11. a
12. d
13. c
14. c
15. a
16. b
17. d
18. b
19. c
20. d

SHORT ANSWER

21. The EPA has required the reduction of lead in gasoline, which has lowered lead pollution by 50 percent. Installing catalytic converters has reduced the amount of pollutants from tailpipe exhaust. By the year 2016, California Zero-Emission Vehicle Program requires 16 percent of vehicles sold in California to give off no emissions. Auto manufacturers are building prototype cars that produce fewer emissions (such as hybrids) or no emissions.
22. Students may describe three of the following: Chronic bronchitis—an inflammation of the bronchial tubes leading to persistent coughing and difficulty in breathing. Asthma—bronchial passages constrict and fill with mucus. Emphysema—air sacs lose their elasticity, causing difficulty in exhaling. Lung cancer—malignant disease that is linked to air pollution, although smoking cigarettes is the more common cause. Asbestosis—asbestos fibers cut and scar the lungs, causing difficulty in breathing.

PROBLEM SOLVING

23. 1,000 times more acidic