



LIVING GREEN

Pollution

Learn about different types of pollution, their causes and effects, and ways to prevent them.

What did you learn?

QUESTIONS

1. The mixture of gases that spreads from Earth's surface to the sky is called the ...
 - a. Biosphere
 - b. Earth air
 - c. Sky gases
 - d. Atmosphere
2. A typical home furnace produces air pollutants like ...
 - a. Carbon monoxide
 - b. Hydrogen peroxide
 - c. Carbon dioxide
 - d. Hydrogen dioxide
3. Estrogen is a type of biological chemical called a ...
 - a. Pollutant
 - b. Hormone
 - c. Pesticide
 - d. Endocrine
4. Permission to produce a certain amount of greenhouse gas, is called a ...
 - a. Carbon allowance
 - b. Allowed carbon
 - c. Carbon credit
 - d. Credited carbon
5. What is *global warming*?
6. What is the *greenhouse effect*?

TRUE OR FALSE?

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| _____ 1. Large freighters use low-quality, cheaper fuels that burn less cleanly than gasoline. | _____ 4. Too much salt can poison soils just as much as toxic chemicals. |
| _____ 2. A melting plant is a type of chemical factory in which metals are removed from rocky material called ore. | _____ 5. Factory farms hold their waste in giant lagoons, which can leak into water supplies. |
| _____ 3. Love Canal, New York, is one of the least polluted communities in the country. | _____ 6. Flooding caused by Hurricane Katrina washed away a number of pollutants. |

ANSWERS

- 1. d. Atmosphere.** According to section "What Is Pollution?" on page 4, we know that "The atmosphere is a mixture of gases that spreads from Earth's surface to the sky far above." So, the correct answer is D.
- 2. c. Carbon dioxide.** According to section "Air Pollution from Heating" on page 20, we know that "A typical home furnace produces carbon dioxide and other air pollutants." So, the correct answer is C.
- 3. b. Hormone.** According to section "Water Pollution from Chemicals" on page 39, we know that "Estrogen is a type of biological chemical called a hormone." So, the correct answer is B.
- 4. c. Carbon credit.** According to section "The Challenge of Global Warming" on page 57, we know that "A carbon credit is permission to produce a certain amount of greenhouse gas." So, the correct answer is C.
- According to page 60, *global warming* is "the gradual warming of Earth's surface, believed to be caused by a build-up of greenhouse gases in the atmosphere."
- According to page 60, the *greenhouse effect* is "the process by which certain gases cause the Earth's atmosphere to warm."

TRUE OR FALSE? ANSWERS

- 1. True.** According to section "Air Pollution from Planes, Ships, and Trains" on page 11, we know that "Large freighters use low-quality, cheaper fuels that burn less cleanly than gasoline." So, the correct answer is True.
- 2. False.** According to section "Air Pollution from Chemical Plants" on page 15, we know that "A smelter is a type of chemical factory in which metals are removed from rocky material called ore." So, the correct answer is False.
- 3. False.** According to section "A Polluted Community" on page 26, we know that "Tanks leaked toxic waste into the soil under Love Canal, New York, making the town uninhabitable." So, the correct answer is False.
- 4. True.** According to section "Soil Pollution from Agriculture" on page 33, we know that "Too much salt can poison soils just as much as toxic chemicals." So, the correct answer is True.
- 5. True.** According to section "Water Pollution from Agriculture" on page 45, we know that "Their waste is held in giant lagoons, which can leak into water supplies." So, the correct answer is True.
- 6. False.** According to section "When Natural Disaster Strikes" on page 51, we know that "Flooding caused by Hurricane Katrina spread a toxic brew of pollutants over much of New Orleans, complicating recovery efforts." So, the correct answer is False.