



## LIVING GREEN

# Consumable Goods

Explore the harmful impact consumable goods can have on the environment through the use of natural resources and energy.

### What did you learn?

#### QUESTIONS

1. A synthetic material that takes much longer to decompose than natural materials is called ...
  - a. Plastic
  - b. Wood
  - c. Ceramic
  - d. Linoleum
2. Most paper today is made from ...
  - a. Virgin wood fibers
  - b. Dead trees
  - c. Recycled materials
  - d. Redwood forests
3. An ingredient found in nail treatments, blush, and face powder is ...
  - a. Triclosan
  - b. Recycled fibers
  - c. Carbon dioxide
  - d. Formaldehyde
4. To save roughly two-thirds of the enormous amount of energy currently used for lighting, we can switch all lights to ...
  - a. RGB's
  - b. CMYK's
  - c. LED's
  - d. ABC's
5. What is *global warming*?
6. What is the *greenhouse effect*?

#### TRUE OR FALSE?

- \_\_\_\_\_ 1. LED's are widely used in electronics.
- \_\_\_\_\_ 2. Unplugging power adaptors and chargers when they're not in use can save money and energy.
- \_\_\_\_\_ 3. Recycled plastic items have very little use.
- \_\_\_\_\_ 4. Some clothing manufacturers use alternative fabric dyes to minimize their environmental impact.
- \_\_\_\_\_ 5. Although environmentalists have praised the benefits of hemp and kenaf, both materials are currently expensive alternatives to wood-based paper.
- \_\_\_\_\_ 6. Most crayons are made by adding pigments to paraffin wax, a material that is usually made from Triclosan.



## ANSWERS

- 1. a. Plastic.** According to section "Introduction" on page 5, we know that "Plastic is a synthetic material and takes much longer to decompose than natural materials." So, the correct answer is A.
- 2. a. Virgin wood fibers.** According to section "Paper Items" on page 23, we know that "Most paper today is made from virgin wood fibers." So, the correct answer is A.
- 3. d. Formaldehyde.** According to section "The Bathroom: Personal-Care Products" we know that "Formaldehyde—Nail treatments; blush and face powder." So, the correct answer is D.
- 4. c. LED's.** According to section "Taking Action" on page 55, we know that "According to a 2014 U.S. Energy Department study, switching all lights to LED's would save roughly two-thirds of the enormous amount of energy currently used for lighting." So, the correct answer is C.
- 5.** 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."
- 6.** 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 "The Living Room: Lighting" on page 11, we know that "They are widely used in electronics." So, the correct answer is True.
- 2. True.** According to section "Go Green! The Living Room" on page 17, we know that "Unplug power adaptors and chargers when they are not in use to save money and energy." So, the correct answer is True.
- 3. False.** According to section "Plastic Items" on page 29, we know that "Recycled plastic items can be melted down and made into new goods, such as bottles, carpets, or the stuffing for warm jackets." So, the correct answer is False.
- 4. True.** According to section "The Bedroom: Fabrics" on page, we know that "Some clothing manufacturers use alternative fabric dyes to minimize their environmental impact." So, the correct answer is True.
- 5. True.** According to section "The Office: Paper Products" on page 45, we know that "Although environmentalists have praised the benefits of hemp and kenaf, both materials are currently expensive alternatives to wood-based paper." So, the correct answer is True.
- 6. False.** According to section "Writing and Drawing Utensils" on page 48, we know that "Most crayons are made by adding pigments to paraffin wax, a material that is usually made from petroleum." So, the correct answer is False.