

## Cell Biology

### Brainpop—Photosynthesis

Name:

Period:

Watch the Brainpop on photosynthesis, then answer the questions below. You can also use Chapter 13, Section 1 of your textbook if you are getting stuck.

\_\_\_\_\_ 1. What do plants absorb from the soil?

- a. sugar
- b. water
- c. dirt

\_\_\_\_\_ 2. What do plants collect from the air?

- a. carbon monoxide
- b. water
- c. carbon dioxide

\_\_\_\_\_ 3. Which of the following do plants gain from sunlight?

- a. carbon dioxide
- b. energy
- c. sugar

\_\_\_\_\_ 4. What is the pigment that traps energy from sunlight called?

- a. xylem
- b. veins
- c. chlorophyll

\_\_\_\_\_ 5. What is the main source of nutrition for plants?

- a. glucose
- b. carbon dioxide
- c. water

\_\_\_\_\_ 6. Which molecule can split into oxygen and hydrogen atoms?

- a. water
- b. carbon dioxide
- c. air

\_\_\_\_\_ 7. Which of the following is NOT needed for photosynthesis?

- a. sunlight
- b. water
- c. dirt

\_\_\_\_\_ 8. What makes our air breathable?

- a. exhaust released from cars
- b. carbon dioxide released from animals
- c. oxygen released from plants

\_\_\_\_\_ 9. Another name for glucose is...

- a. sugar
- b. chlorophyll
- c. water

\_\_\_\_\_ 10. What plant structures contain chlorophyll?

- a. xylem
- b. chloroplasts
- c. glucose



Why can't plants grow naturally underground in caves?