

Brainpop—Photosynthesis

Name:

Period:

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

_____ 1. Which of the following do plants gain from sunlight?

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

_____ 2. Another name for sugar is...

- a. glucose
- b. chlorophyll
- c. water

_____ 3. What is the main source of nutrition for plants?

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

_____ 4. What do plants absorb from the soil?

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

_____ 5. What do plants collect from the air?

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

_____ 6. What plant structures contain chlorophyll?

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

_____ 7. What is the function of chlorophyll?

- a. releasing oxygen out of leaves
- b. making water in the plant
- c. trapping energy from sunlight

_____ 8. Which molecule can split into oxygen and hydrogen atoms?

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

_____ 9. What makes our air breathable?

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

_____ 10. Which of the following is NOT needed for photosynthesis?

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

Determine if the statement is true or false. If false, replace the word in **bold** with the correct word on the line. If true, write "true" on the line. Possible word choices are provided below:

carbon dioxide energy oxygen roots water

1. _____ Plants need to use the gas **CARBON DIOXIDE** for photosynthesis.
2. _____ Through photosynthesis, plants are able to turn sunlight into **WATER**.
3. _____ Animals release **OXYGEN** into the air or water around them.
4. _____ Plants get **GLUCOSE** from the soil.
5. _____ Photosynthesis happens in the **LEAVES** of a plant.

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Why can't plants grow naturally underground in caves?