

Photosynthesis 2.1 Understanding Main Ideas

Fill in the blanks in the photosynthesis equation below with the names of the missing compounds. Then answer the questions that follow in the spaces provided.

sunlight

1. _____ + 2. _____ 3. _____ + 4. _____

5. What are the raw materials of photosynthesis?

6. What are the products of photosynthesis?

7. Why is *sunlight* written above the arrow in the equation, rather than on either side of it?

8. Where does photosynthesis occur?

Building Vocabulary

Fill in the blank to complete each statement.

9. The process by which a cell captures the energy in sunlight and uses it to make food is called _____.

10. _____ are colored chemical compounds that absorb light.

11. The main pigment found in the chloroplasts of plants is _____.

12. _____ are small openings on the undersides of leaves through which carbon dioxide enters a plant.

13. An organism that makes its own food is a(n) _____.

14. A(n) _____ is an organism that cannot make its own food.