

Photosynthesis: How Plants Make Food

Science · Answer Key · 10 Questions

1. What is the name of the process plants use to make their own food?

A) Photosynthesis

B) Respiration

C) Digestion

D) Transpiration

2. What type of energy do plants use for photosynthesis?

A) Chemical energy

B) Light energy

C) Electrical energy

D) Kinetic energy

3. Which of the following is NOT an ingredient needed for photosynthesis?

A) Sunlight

B) Water

C) Carbon Dioxide

D) Oxygen

4. What substance inside plant cells captures sunlight?

A) Nucleus

B) Vacuole

C) Chlorophyll

D) Cell wall

5. What two main ingredients are combined to create sugar during photosynthesis?

A) Water and Oxygen

B) Carbon Dioxide and Water

C) Sunlight and Water

D) Chlorophyll and Sunlight

6. What gas is released into the atmosphere as a result of photosynthesis?

A) Carbon Dioxide

B) Hydrogen

C) Oxygen

D) Nitrogen

7. Where does a plant obtain water for photosynthesis?

- A) Leaves
- B) Stem
- C) Roots**
- D) Flowers

8. What is the main product of photosynthesis that the plant uses for food?

- A) Oxygen
- B) Carbon Dioxide
- C) Sugar**
- D) Water

9. What part of the plant cell contains chlorophyll?

- A) Cell Wall
- B) Nucleus
- C) Chloroplast**
- D) Vacuole

10. What molecule is split to release oxygen during photosynthesis?

- A) Carbon Dioxide
- B) Sugar
- C) Water**
- D) Chlorophyll