

Photosynthesis: The Plant's Food Factory

Biology · Answer Key · 10 Questions

1. What is the main source of energy for photosynthesis?

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

2. What gas do plants take in from the air?

- A) Oxygen
- B) Carbon Dioxide**
- C) Nitrogen
- D) Hydrogen

3. What gas do plants release into the atmosphere?

- A) Carbon Dioxide
- B) Water Vapor
- C) Oxygen**
- D) Nitrogen

4. What are the tiny openings on leaves called that allow plants to breathe?

- A) Chloroplasts
- B) Stomata**
- C) Roots
- D) Veins

5. What is the green pigment in plants that helps them absorb sunlight?

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

6. What are plants often called because they take in carbon dioxide and release oxygen?

- A) Food Factories
- B) Water Filters
- C) Lungs of the World**
- D) Sunbathers

7. What are the three main ingredients plants use to make food during photosynthesis?

- A) Sunlight, Water, and Oxygen
- B) Sunlight, Carbon Dioxide, and Soil

C) Sunlight, Water, and Carbon Dioxide

- D) Oxygen, Water, and Nutrients

8. Where does photosynthesis primarily take place in plants?

- A) Roots
- B) Stem

C) Leaves

- D) Flowers

9. What is produced during photosynthesis besides oxygen?

- A) Carbon Dioxide

B) Sugar (food)

- C) Water
- D) Nitrogen

10. What part of the plant absorbs water and nutrients?

- A) Leaves
- B) Flowers

C) Roots

- D) Stem