

Photosynthesis Quiz

Biology · Answer Key · 9 Questions

1. What is the primary purpose of photosynthesis?

- A) To produce oxygen
- B) To create food for the plant**
- C) To absorb water
- D) To release carbon dioxide

2. Which of the following are the main reactants in photosynthesis?

- A) Oxygen and Glucose
- B) Water and Oxygen
- C) Carbon Dioxide and Water**
- D) Glucose and Carbon Dioxide

3. What is the name of the sugar produced during photosynthesis?

- A) Fructose
- B) Sucrose
- C) Glucose**
- D) Lactose

4. In what part of the plant cell does photosynthesis primarily occur?

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

5. What are the two main stages of photosynthesis?

- A) Respiration and Fermentation
- B) Light-dependent and Light-independent reactions**
- C) Glycolysis and Krebs Cycle
- D) Transcription and Translation

6. What happens to water during the light-dependent reactions?

- A) It is reduced.
- B) It is oxidized.**
- C) It is converted to carbon dioxide.
- D) It is converted to glucose.

7. What is another name for the light-independent reactions?

- A) Krebs Cycle
- B) Electron Transport Chain
- C) Calvin Cycle**
- D) Citric Acid Cycle

8. What two layers on the top of the leaf allow light to travel through them easily?

- A) Spongy and Palisade Mesophyll
- B) Cuticle and Epidermis**
- C) Vein and Mesophyll Cell
- D) Chloroplast and Nucleus

9. What gas is released as a byproduct of photosynthesis?

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