

# Photosynthesis Quiz

Biology · Practice Test · 9 Questions

---

**1. What is the primary pigment involved in photosynthesis?**

- A) Chlorophyll
- B) Xanthophyll
- C) Carotene
- D) Anthocyanin

**2. What are the two main stages of photosynthesis?**

- A) Light-dependent and Light-independent reactions
- B) Krebs Cycle and Electron Transport Chain
- C) Glycolysis and Fermentation
- D) Calvin Cycle and Citric Acid Cycle

**3. What is the main source of energy for photosynthesis?**

- A) Sunlight
- B) Chemical energy
- C) Heat
- D) Electricity

**4. What gas is absorbed from the atmosphere during photosynthesis?**

- A) Carbon dioxide
- B) Oxygen
- C) Nitrogen
- D) Hydrogen

**5. What sugar is produced during photosynthesis?**

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

**6. Where in the plant cell does photosynthesis occur?**

- A) Chloroplast
- B) Mitochondria
- C) Nucleus
- D) Vacuole

**7. What is a byproduct of photosynthesis?**

- A) Oxygen
- B) Carbon dioxide
- C) Water
- D) Glucose

**8. What is the role of water in photosynthesis?**

- A) Provides electrons for the light-dependent reactions
- B) Absorbs sunlight
- C) Releases oxygen
- D) Provides carbon

**9. What is the name of the cycle that fixes carbon dioxide?**

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