

Name _____

Chlorophyll: The Green Marvel of Photosynthesis

Multiple Choice Questions

1. What is the primary role of chlorophyll in plants?
 - a) To give plants their green color
 - b) To absorb oxygen
 - c) To capture sunlight and convert it into chemical energy
 - d) To create glucose

2. What is the main purpose of photosynthesis in plants?
 - a) To produce carbon dioxide
 - b) To release oxygen
 - c) To create glucose for energy
 - d) To make leaves green

3. Which part of the spectrum does chlorophyll mainly absorb?
 - a) Green
 - b) Blue and red
 - c) Yellow and orange
 - d) Purple

4. Why do leaves change color in the fall?
 - a) Because they are getting old
 - b) Because chlorophyll breaks down, revealing other pigments
 - c) Because they are becoming wetter
 - d) Because they are preparing for winter

5. What important gas is released into the atmosphere during photosynthesis?
 - a) Carbon dioxide
 - b) Nitrogen
 - c) Oxygen
 - d) Hydrogen

