

Photosynthesis: Sphere Connection Review

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Understanding the Interactions of Earth's Systems

Name: _____

Date: _____

Answer the following questions based on what you learned about photosynthesis and how it connects Earth's spheres.

1. What elements do plants need to survive?

2. Which sphere do plants use sunlight from?

- A. Hydrosphere
- B. Biosphere
- C. Atmosphere

3. Plants produce carbon dioxide during photosynthesis.

True False

4. Photosynthesis allows plants to convert ____ into energy.

5. How do plants help other living things?

6. What do plants absorb from the hydrosphere?

- A. Sunlight
- B. Water
- C. Nutrients

7. God designed plants to play a vital role in ecosystem interactions.

True False

8. How does photosynthesis show God's amazing design?

9. Plants draw nutrients from the ____.

10. What do plants produce for the atmosphere?

- A. Carbon dioxide
- B. Oxygen
- C. Nitrogen

Answer Key

1. Plants need sunlight, water, and nutrients from the soil to survive. 2. Atmosphere 3. False 4. sunlight 5. Plants provide oxygen for animals and humans to breathe, and they serve as food sources. 6. Water 7. True 8. Photosynthesis shows God's design by demonstrating how plants are perfectly made to use sunlight, water, and nutrients to create energy and oxygen. 9. geosphere 10. Oxygen