

Leaves: Solar Panel Factories Review

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Understanding Plant Structures and Functions

Name: _____

Date: _____

Answer the following questions based on what you learned about leaves and their functions.

1. What do leaves use to capture sunlight?

- A. Water
- B. Chlorophyll
- C. Soil

2. How do leaves function like solar panels?

3. Photosynthesis turns sunlight, water, and ____ into plant food.

4. Chlorophyll gives leaves their green color and helps them capture sunlight.

- True False

5. What are tiny openings in leaves that allow air and water to move in and out called?

- A. Stomata
- B. Chloroplasts
- C. Roots

6. Why do you think God designed plants to make their own food?

7. Leaves are like solar panel factories because they transform sunlight into ____.

8. Leaves help plants absorb nutrients from the soil.

- True False

9. What is the main process called that leaves use to produce food?

- A. Photosynthesis
- B. Respiration
- C. Transpiration

10. What role does chlorophyll play in leaves?

Answer Key

1. Chlorophyll 2. Leaves capture sunlight and convert it into food for the plant, just like solar panels convert sunlight into energy. 3. carbon dioxide 4. True 5. Stomata 6. God designed plants to make their own food so they could thrive and support other life forms in the ecosystem. 7. food 8. False 9. Photosynthesis 10. Chlorophyll helps capture sunlight for photosynthesis and gives leaves their green color.
