Name _____

Why Do Plants Need Carbon Dioxide to Grow

Short Answer Key

1. Stomata in photosynthesis function as tiny openings on plant leaves that allow carbon dioxide from the air to enter the plant.
2. Diffusion in photosynthesis refers to the movement of carbon dioxide from areas of high concentration (outside the leaf) to areas of low concentration (inside the leaf) during photosynthesis.
3. Besides energy, glucose is used to form cellulose (a component of plant cell walls) and starch (stored for future energy needs).
4. Oxygen release during photosynthesis is essential for the environment because it provides the oxygen that humans and animals need for respiration and contributes to the oxygen balance in the atmosphere.
5. Carbon dioxide helps plants maintain their internal balance by serving as a key ingredient in photosynthesis, supporting growth, energy production, and overall plant health.

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