

Name _____

How Carbon Gets from the Air into Plants and Trees

Open-Ended Response Questions

1. Describe the journey of carbon dioxide from the air into a plant's cells during photosynthesis, including the key structures and processes involved.
2. Discuss the importance of photosynthesis in the carbon cycle and its role in regulating the balance of carbon in the environment.
3. Explain the concept of diffusion and how it relates to the movement of carbon dioxide from the air into plant cells.
4. Imagine you are a scientist studying photosynthesis. What experiments could you conduct to better understand this process and its impact on plant growth and the environment?

