

Name _____

The Green Mystery: Why Are Leaves Green?

Short Answer

1. Explain why chlorophyll appears green to our eyes and how it contributes to photosynthesis.
2. Describe the role of carotenoids in plant leaves and provide an example of a plant that displays their colors.
3. What causes leaves to change color in the fall, and how does this process benefit the plant?
4. Discuss the advantages of having green leaves for plants, including their efficiency in photosynthesis.
5. How does the wavelength of light absorbed by chlorophyll relate to its importance in photosynthesis?

