

Name _____

The Green Mystery: Why Are Leaves Green?

Open-Ended Response Questions

1. Explore the significance of the color green in the plant world, considering its role in photosynthesis, adaptation, and ecological interactions.
2. Imagine a world where plants had leaves of different colors instead of green. How might this impact their survival, interactions with herbivores, and the balance of ecosystems?
3. Reflect on the seasonal changes in leaf color and their cultural significance, such as the appreciation of fall foliage.
4. Discuss the ongoing research and applications related to chlorophyll and its potential benefits beyond photosynthesis in the field of science and technology.

