

Name \_\_\_\_\_

## Unraveling the Mysteries of Algae: Not Quite Plants

### Open-Ended Response Questions

1. Explain why algae are not considered true plants, focusing on differences in their cellular structure and reproductive strategies.
2. Describe the ecological significance of algae in aquatic ecosystems and their role as primary producers.
3. Compare and contrast the diversity of pigments found in algae with those found in plants, and discuss how these pigments contribute to their respective functions.
4. Discuss the potential implications of mistaking algae for plants in terms of understanding their ecological roles and importance.

