

Name _____

Exploring the Fascinating World of Non-Vascular Plants: Common Examples and Characteristics

Open-Ended Response Questions

1. Discuss the ecological importance of non-vascular plants in terrestrial and aquatic ecosystems, considering their roles in soil stabilization, nutrient cycling, and habitat provision.
2. Compare and contrast the reproductive structures of mosses, liverworts, and hornworts, highlighting their unique adaptations to different environments.
3. Explore the adaptations of non-vascular plants to life in extreme environments, such as alpine regions and arid deserts, and explain how these adaptations contribute to their survival.
4. Evaluate the economic and cultural significance of non-vascular plants, considering their use in traditional medicine, as indicators of environmental health, and in horticulture and landscaping practices.

