

Name _____

Exploring Ecology: Understanding the Web of Life

Open-Ended Response Questions

1. Discuss the importance of ecology in understanding the relationships between living organisms and their environment, considering factors such as biodiversity, ecosystem services, and human impacts.
2. Describe the levels of organization in ecology, from individual organisms to entire ecosystems, highlighting the interconnectedness of life and the processes that sustain it.
3. Explain the concept of biomes and their significance in global ecology, emphasizing how climate, vegetation, and wildlife shape the distribution and diversity of ecosystems around the world.
4. Discuss the role of conservation biology in preserving biodiversity and protecting ecosystems, addressing challenges such as habitat loss, species extinction, and climate change.

