

Name \_\_\_\_\_

## Unraveling the Flow of Energy and Matter in Ecosystems

### Open-Ended Response Questions

1. Discuss the relationship between trophic levels in ecosystems, explaining how energy is transferred between them.
2. Explore the importance of nutrient cycling in maintaining the balance of ecosystems, providing examples of nutrients and their role in ecosystem function.
3. Explain why energy flow in ecosystems is often represented as a pyramid, discussing the implications for energy transfer and biomass accumulation.
4. Describe the impact of human activities on energy and matter flow in ecosystems, discussing potential consequences for ecosystem health and biodiversity.

