

Name _____

Exploring the Tapestry of Life: Understanding Ecosystem Diversity

Short Answer Key

1. Ecosystem diversity contributes to the resilience of the planet by providing a diverse array of ecosystems that can withstand and recover from disturbances such as natural disasters, climate change, and human impacts.
2. One ecosystem service provided by ecosystem diversity is climate regulation, which helps regulate global temperatures and weather patterns, ultimately influencing climate stability and agricultural productivity.
3. Protecting and preserving ecosystem diversity is crucial for human societies and economies because it ensures the continued provision of essential services like clean air and water, fertile soil for agriculture, and climate regulation, which sustain human well-being and economic activities.
4. An example of a unique ecosystem is a coral reef, which supports a rich diversity of marine life including fish, corals, and invertebrates, and provides important habitat, food, and breeding grounds for countless species.

