

Name _____

Exploring the Tapestry of Life: Understanding Ecosystem Diversity

Multiple Choice Questions

1. What does ecosystem diversity refer to?
 - a) The variety of different genes within a species or population
 - b) The number of individuals in a species
 - c) The geographical distribution of species
 - d) The variety of different ecosystems in a region or on Earth

2. Why is ecosystem diversity important for supporting life on Earth?
 - a) It provides a unique set of habitats and resources for species
 - b) It reduces the stability and resilience of the planet
 - c) It has no impact on the web of life
 - d) It leads to widespread species extinction

3. How does ecosystem diversity contribute to the resilience and stability of the planet?
 - a) By increasing vulnerability to disturbances like natural disasters
 - b) By reducing the variety of habitats and resources available to species
 - c) By providing a diverse array of ecosystems that can withstand and recover from disturbances
 - d) By causing ecosystem degradation and collapse

4. What are some ecosystem services provided by ecosystem diversity?
 - a) Climate regulation, pollination of crops, and recreational opportunities
 - b) Increased pollution and degradation of natural resources
 - c) Reduced availability of clean air and water
 - d) Destruction of habitats and loss of biodiversity

5. Why is protecting and preserving ecosystem diversity important for human well-being?
 - a) It has no impact on human well-being
 - b) It ensures the continued provision of essential services like clean air and water
 - c) It leads to the depletion of natural resources
 - d) It increases vulnerability to natural disasters and climate change

