

Name _____

Exploring the Layers of Life: Understanding Biodiversity Levels

Short Answer Key

1. Species diversity refers to the variety of different species present in an area.
2. Genetic diversity is essential for the survival and adaptation of species because it provides the raw material for evolution and natural selection, allowing populations to respond to environmental changes and threats.
3. Ecosystem diversity encompasses the variety of habitats within a region and is important for maintaining healthy ecosystems by supporting a wide range of species and ecological processes.
4. Landscape diversity refers to the variety of different landscapes found across the planet, including mountains, valleys, rivers, and lakes.
5. Understanding the different levels of biodiversity is important for guiding conservation and management efforts aimed at preserving Earth's rich biological heritage.

