

Name _____

Exploring Earth's Tapestry: A Journey through Major Biomes

Open-Ended Response Answer Key

1. Tropical rainforests are home to a vast array of plant and animal species, contributing to global biodiversity and providing essential ecosystem services like oxygen production and carbon sequestration.
2. Grassland biomes are often referred to as "breadbaskets" due to their fertile soils, which support agriculture, and "savannas" because of their mix of grasses and scattered trees.
3. The taiga biome is characterized by coniferous trees and cold winters, while the tundra biome is treeless and experiences long, dark winters. Both biomes have adapted to cold temperatures, but taiga has more vegetation and wildlife diversity.
4. Human activities such as deforestation, urbanization, and pollution can disrupt ecosystems, leading to habitat destruction, loss of biodiversity, and climate change impacts in each biome.

