

Name _____

Exploring the Verdant Plains: Unveiling the Grassland Biome

Open-Ended Response Answer Key

1. Grassland biomes harbor a diverse array of species, including herbivores like bison and carnivores like wolves, demonstrating the interconnectedness of the food web and the importance of biodiversity for ecosystem health.
2. Grasslands act as vital carbon sinks, storing large amounts of carbon in their soils and vegetation, thereby helping to mitigate climate change.
3. Grasses have evolved deep root systems that enable them to access water stored deep in the soil and withstand drought conditions common in grassland environments.
4. Sustainable land management practices such as rotational grazing and reforestation can help conserve grassland biodiversity by promoting soil health and preventing habitat degradation.

