

Name _____

Unveiling Mauna Loa: Earth's Largest Volcano

Open-Ended Response Answer Key

1. Answers may include descriptions of seismometers to detect ground vibrations, gas analyzers to measure volcanic gases, and satellite imagery to track changes in the volcano's shape. Early warnings may involve communication systems and evacuation plans.
2. Answers may discuss the benefits of fertile soil, geothermal energy, and tourism, as well as the challenges of potential eruptions, lava flows, and volcanic gases.
3. Answers may mention species like the Hawaiian honeycreeper and silversword plant that have adapted to volcanic island environments. Discussion should focus on the isolation of these species and their unique evolutionary traits.
4. Creative narratives inspired by Mauna Loa's cultural significance may involve Hawaiian gods, legends, or heroes connected to the volcano. The narrative should incorporate elements of Hawaiian culture and the volcano's role in shaping the stories.

