

Name _____

Living Near a Volcano: Surprising Benefits and Challenges

Open-Ended Response Questions

1. Discuss the potential economic and environmental benefits of utilizing geothermal energy from active volcanoes compared to traditional fossil fuels. Consider factors such as reduced carbon emissions and energy sustainability.
2. Imagine you live near an active volcano. Explain how the presence of mineral resources in your region could impact the local economy and job opportunities for residents.
3. Explore the role of early warning systems and scientific monitoring in ensuring the safety of communities near volcanoes. Provide examples of how these measures have been effective in recent volcanic eruptions.
4. Reflect on the delicate balance between the benefits and risks of living near a volcano. What factors would you consider when deciding whether to live in such an area, and how can individuals and communities prepare for potential volcanic hazards?

