

Name _____

Epicenter Exploration: How Earthquake Epicenters Are Determined

Open-Ended Response Questions

1. Research and discuss a recent earthquake event that made the news. Include details about its epicenter, magnitude, and any impact it had on the affected area.
2. Explain why earthquake monitoring is particularly important in regions like the "Ring of Fire." What risks do communities in these areas face, and how can early detection help?
3. Describe the technological advancements in earthquake monitoring and seismology that have improved the accuracy of determining earthquake epicenters over the years.
4. Discuss the global network of seismometers and how it aids in not only determining earthquake epicenters but also understanding earthquake patterns and trends on a larger scale.

