

Name _____

Measuring the Mighty Quakes: How Scientists Gauge Earthquake Power

Open-Ended Response Questions

1. Imagine you live in an earthquake-prone region. Describe what steps you would take to prepare for an earthquake and what you would do when you receive an earthquake early warning.
2. Research and discuss a recent earthquake event in the news. Include information about its magnitude, location, and any effects it had on the affected area.
3. Why is it important for scientists to use both magnitude and intensity scales to assess earthquakes, rather than just one scale?
4. Compare and contrast the Richter scale and the Moment Magnitude Scale in terms of their advantages and limitations in measuring earthquake magnitude.

