Name _____

# Shaking Ground and Uncertain Predictions: Can Earthquakes Be Forecasted?

## Multiple Choice Questions

1. What is the primary cause of earthquakes on our planet?

a) Volcanic eruptions

b) Seismic monitoring

c) Tectonic plate interactions

d) Human activities

2. Which type of earthquake prediction involves estimating the likelihood of a larger, mainshock earthquake based on monitoring foreshocks?

a) Short-term prediction

b) Long-term forecasting

c) Accurate prediction

d) Early warning systems

3. What is the main challenge in accurately predicting earthquakes?

a) Lack of seismic sensors

b) Diverse geological conditions

c) Limited historical earthquake records

d) Predictable tectonic plate movements

4. What is the primary benefit of early warning systems for earthquakes?

a) They provide precise earthquake predictions.

b) They reduce the likelihood of earthquakes.

c) They save lives and reduce injuries and damage.

d) They can predict the exact time and location of an earthquake.

5. Which type of earthquake forecasting estimates the likelihood of earthquakes occurring in broad regions over decades to centuries?

a) Short-term prediction

b) Long-term forecasting

c) Accurate prediction

d) Immediate forecasting