

Earthquake video Focus Questions

1. Describe the layers of the Earth's crust and their characteristics (core, crust, mantle).

2. What is the relationship between the Earth's mantle and crust?

3. What are plates? Why are the edges of plates so important to the cause and location of earthquakes?

4. Describe the three different types of stress caused by the movement of Earth's plates.

5. What is a fault? Explain the characteristics of the three types of faults.

6. Which kind of stress causes each type of fault?

7. What are folds? Describe the three types of folds.

8. Explain these terms and how they interrelate: rupture, hypocenter and epicenter.

Earthquake video Focus Questions (continued)

9. What is a tsunami?

10. How do undersea earthquakes cause tsunamis?

11. What are seismic waves?

12. Why are earthquake simulators useful tools?

13. How are earthquakes measured and predicted?

14. What is the Richter scale? How is it designed?

15. What instrument measures the size of an earthquake?