

Chapter 11 - Earthquake Practice Test and Study Guide.

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- d. 1. Most earthquakes happen _____.
 - a. along plate boundaries
 - b. in areas where earthquakes have occurred in the past
 - c. without warning
 - d. all of the above
- a. 2. The most destructive seismic wave are _____.
 - a. surface waves
 - b. P-waves
 - c. primary waves
 - d. secondary waves
- c. 3. Secondary waves _____ when they hit the liquid outer core.
 - a. stay the same
 - b. slow down
 - c. stop
 - d. speed up
- a. 4. Once the elastic limit of rocks is passed, they break and move along surfaces called _____.
 - a. faults
 - b. stresses
 - c. strains
 - d. earthquakes
- d. 5. The _____ waves are the first to reach a seismograph after an earthquake.
 - a. surface
 - b. secondary
 - c. tsunami
 - d. primary
- c. 6. At least _____ seismographs are needed to accurately locate an earthquake epicenter.
 - a. four
 - b. two
 - c. three
 - d. five
- b. 7. The magnitude of an earthquake is measured by the _____.
 - a. modified Mercalli scale
 - b. Richter scale
 - c. elastic limit
 - d. Moho discontinuity
- c. 8. The point in Earth's interior where the energy release of an earthquake occurs is the _____.
 - a. fault
 - b. inner core
 - c. focus
 - d. epicenter
- d. 9. A person located twice as far from an epicenter of an earthquake as another person will notice that the time between the arrival of the primary and secondary waves will be _____.
 - a. unnoticeable
 - b. reduced
 - c. the same
 - d. larger