



Earthquakes and Faults

Write the letter of the correct answer in the box.

- _____ 1. The formation of faults is generally caused by the _____ of rocks.
- a. Expansion
 - b. Rolling
 - c. Weathering
 - d. Twisting or tearing apart
- _____ 2. Earthquake usually occur _____
- a. along active faults
 - b. between rock layers
 - c. along inactive faults
 - d. along earth's surface
- _____ 3. Which earthquake waves travel through Earth's solid and liquid layers?
- a. P waves
 - b. P waves and S waves
 - c. P waves and surface waves
 - d. P waves, S waves and surface waves

_____ 4. During the passage of a P waves through a rock, the rock particles _____

- a. Do not move
- b. Move in a rolling circular motion
- c. Move back and forth parallel to the direction of wave travel
- d. Move back and forth perpendicular to the direction of wave travel

_____ 5. If an S waves travels from a solid to a liquid, its velocity _____

- a. Stops
- b. Increases
- c. Decreases
- d. Stays the same

_____ 6. Earthquake A has a Richter magnitude of 7 compared with Earthquake B's 6. What is the relative intensity of the two earthquakes?

- a. A is 10 times more intense than B.
- b. B is 0.01 times less intense than A.
- c. A is 1000 times more intense than B.
- d. Richter magnitude does not measure intensity

_____ 7. Some residents in an area felt the slight movement of an earthquake for a few seconds. This earthquake must have a Richter magnitude of _____

- a. 2.0
- b. 3.0
- c. 4.0
- d. 5.0

_____ 8. If an earthquake occurs and you are outdoors, the best thing to do is to _____

- a. Cover your head
- b. Seek a place to hide
- c. Run as fast as you can
- d. Stay in open areas away from buildings

_____9. The Philippines experiences a lot of earthquake because
it_____

- a. Has many islands
- b. Is at the tropical zone
- c. Has many of mountain ranges
- d. Is located at the Pacific Ring of Fire

_____10. Which of the following statements best describes the state of
earthquake prediction?

- a. Scientists can accurately predict the time and location of almost all earthquakes
- b. Scientists can accurately predict when an earthquake will occur, but not its location
- c. Scientists can accurately predict the time and location of about 50% of all earthquakes
- d. Scientists can characterize the seismic risk of an area, but cannot yet accurately predict most earthquake

Science 8

Prepared by: Teacher Shara

DARWIN INTERNATIONAL SCHOOL

Pulong Buhangin, Santa Maria, Bulacan