

Vasquez High School -- Earth Science -- Test #5 -- Chapters 8, 9, and 10 -- 85 points

Write TRUE if the statement is true OR write the word(s) that substitutes for the underlined word(s) that would make it true. Writing false only earns partial credit. Three points each.

- _____ 1) The S in S-waves stands for seismic waves.
- _____ 2) The largest and loudest known explosion took place at a volcano called Krakatoa.
- _____ 3) It was Wegener in 1912 who developed the theory of pahoehoe lava.
- _____ 4) The speeds of both P and S waves increase when the waves travel through denser material.
- _____ 5) A magnitude 8.0 earthquake would have 100 times the energy of a 6.0 earthquake.
- _____ 6) At one point long ago, it is believed that all the continents were once just one continent called Vasqueza.
- _____ 7) Everything that comes out of a volcanic eruption that isn't lava is considered pyroclastic material.
- _____ 8) Essentially lava is really hot coffee, that is also called magma below the surface.
- _____ 9) The boundary between the crust and the mantle is called the refraction.
- _____ 10) When the underlying rock beneath a structure shakes so violently, it takes on the qualities of a liquid, we say an aftershock has taken place.

Fill-in and short answer. Three points each.

- 11) The epicenter is a point on the Earth's surface directly above the _____ of an earthquake.
- 12) The volcano that destroyed Pompeii in 79 A.D. was _____.
- 13) The type of volcano that has very gentle slopes, like Kilauea, is called a _____ volcano.
- 14) A tsunami is a huge _____ usually caused by undersea earthquakes.
- 15) The word used for describing a sleeping volcano is _____.
- 16) The major fault line in California is the _____.
- 17) All around the Pacific plate are a great series of volcanoes. This is called the _____ of _____.
- 18) The actual piece of paper showing the seismic disturbance is called a _____.
- 19) We have observed extraterrestrial vulcanism on a moon called _____.
- 20) The places where stress is building up, where fault have not moved for a long time are called _____.

Five points each on these.

21) Pahoehoe lava has already been mentioned on this test. What are the other two types of lava and what are their characteristics? _____

_____.

22) Name three of the four evidences for Wegener's theory:

23) Where are the three types of places where volcanoes are normally found?

24) Name the three types of plate boundaries and make a small diagram to show the relative motions of each

_____ --->

_____ --->

_____ --->

25) Look at the continent below. At stations #1, #2, and #3, earthquake waves were detected moving in the directions shown. Carefully draw where the epicenter of the earthquake is.

