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|  | Question | Answer |
| 1 | What type of movement of rocks along a fault can cause an earthquake? |  |
| 2 | A break in Earth’s lithosphere where one block of rock moves toward, away from, or past another is called a(n) \_\_\_\_. |  |
| 3 | Scientists discovered changes in Earth’s interior by studying \_\_\_\_ \_\_\_\_. |  |
| 4 | \_\_\_\_ waves travel the fastest, are the first to be measured, and travel through both solids and liquids. |  |
| 5 | \_\_\_\_ waves travel slower than p-waves, are the second to be measured, and only travel through solids. |  |
| 6 | The most destructive type of seismic waves are \_\_\_\_ \_\_\_\_. |  |
| 7 | Along a(n) \_\_\_\_ fault, rock above the fault surface moves downward in relation to the rock below the fault. |  |
| 8 | Along a(n) \_\_\_\_ fault, rock above the fault surface moves upward in relation to the rock below the fault. |  |
| 9 | At a(n) \_\_\_\_ fault, rocks on either side of the fault surface move past each other. |  |
| 10 | The \_\_\_\_ \_\_\_\_ measures the amount of ground motion recorded on a seismogram. Motion increases by a factor of \_\_\_\_ for every level (e.g. 7.0 to 8.0) |  |
| 11 | The amount of energy released by an earthquake is measure by the \_\_\_\_ \_\_\_\_ scale. |  |
| 12 | The \_\_\_\_ \_\_\_\_ scale measures the amount of damage and destruction from an earthquake.  |  |
| 13 | Earthquakes \_\_\_\_ \_\_\_\_ occur along plate boundaries. |  |
| 14 | At least \_\_\_\_ seismographs are needed to accurately locate an earthquake epicenter. |  |
| 15 | On average, how many volcanoes erupt per year? |  |
| 16 | Volcanoes form at \_\_\_\_ boundaries, \_\_\_\_ boundaries, and \_\_\_\_ \_\_\_\_. |  |
| 17 | How do volcanic eruptions affect the climate? |  |
| 18 | A positive result of a volcanic eruption is… |  |
| 19 | Volcanic ash is made of \_\_\_\_ \_\_\_\_ and \_\_\_\_. |  |
| 20 | The amount of \_\_\_\_ changes the \_\_\_\_ of magma and determines how fast it flows. |  |
| 21 | One factor that determines how explosive an eruption will be is the amount of \_\_\_\_ \_\_\_\_ and \_\_\_\_ trapped in the magma. |  |
| 22 | If the top of a volcano collapses after an eruption, a \_\_\_\_ forms. |  |