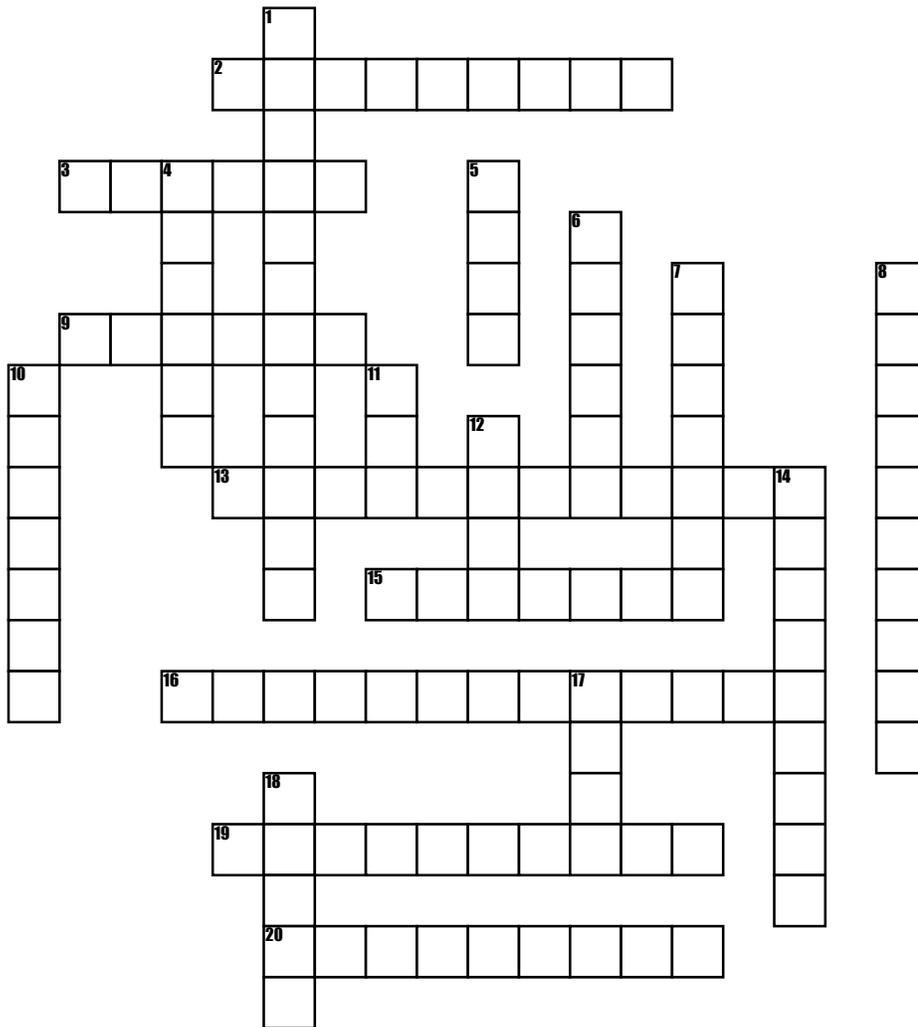


# Earthquake and Volcano Crossward puzzle



**Across**

- 2. what is a conical volcano built up by many layers of hardened lava, tephra, pumice, and volcanic ash
- 3. what is a longitudinal earthquake wave that travels through the interior of the earth and is usually the first conspicuous wave to be recorded by a seismograph
- 9. what is a broad domed volcano with gently sloping sides, characteristic of the eruption of fluid, basaltic lava
- 13. what is a numerical scale for expressing the magnitude of an earthquake
- 15. what is a volcanic area that lies above a rising plume of hot magma within the Earth
- 16. what is another name for a composite volcano
- 19. what is a sudden and violent shaking of the ground, sometimes causing great destruction, as a result of movements within the earth's crust

- 20. what is a measure of the size of the seismic waves generated by an earthquake

**Down**

- 1. The lava produced is low in silica and usually has relatively little gas therefore the eruptions are
- 4. what is a volcano that has had at least one eruption during the past 10,000 years
- 5. what forms when magma rises into the gap between diverging plates
- 6. what is a seismic body wave that shakes the ground back and forth perpendicular to the direction the wave is moving
- 7. what is an active volcano that is not erupting, but supposed to erupt again
- 8. what is a steep conical hill of volcanic fragments which accumulate around and downwind from a volcanic vent

- 10. what is a mountain or hill, typically conical, having a crater or vent through which lava, rock fragments, hot vapor, and gas are being or have been erupted from the earth's crust

- 11. what is the powdery residue left after the burning of a substance
- 12. what is that spot in the Earth's crust where gases, molten rock, lava and rocks erupt
- 14. is a volcanic eruption of the most violent type
- 17. what is hot molten or semifluid rock erupted from a volcano or fissure, or solid rock resulting from cooling of this
- 18. what is hot fluid or semifluid material below or within the earth's crust from which lava and other igneous rock is formed on cooling

**Word Bank**

- |                |           |            |            |               |
|----------------|-----------|------------|------------|---------------|
| strata volcano | active    | composite  | hot spot   | richter scale |
| shield         | ash       | rift       | earthquake | s waves       |
| vent           | magnitude | pwaves     | explosive  | magma         |
| non explosive  | volcano   | cindercone | dormant    | lava          |