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Science Crossword

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| **Across****2.** point of Earth's surface above an earthquake's focus (surface position)**4.** surface along which rocks break and move**8.** surface along which rocks break and move**11.** vibrations caused by breaking rocks along faults**13.** release of nuclear particles and energy from an unstable atomic nuclei**14.** steep-walled depression around a volcano's vent**16.** remains or traces of a once living organism reserved by rock**17.** device used by seismologists to record primary, secondary, surface waves from earthquakes**18.** theory that Earth's crust and the upper mantle are broken into sections that move around on a plastic-like layer of the mantle**19.** steep-sided volcano made of loosely packed tephra**21.** scientist who studies earthquakes and seismic waves | **Down****1.** a broad volcano with gently sloping sides**3.** solid, igneous core of a volcano left behind when a volcano stops erupting**5.** time needed for one half-life the mass of a sample of a radioactive isotopeto decay**6.** bits of rock or solified lava dropped from the air**7.** liquid core that surrounds Earth's solid inner core, and that is made mostly of iron**9.** measure of the energy released by the earthquake**10.** plastic-like layer below the lithosphere**12.** large opening formed when the top of a volcano collapes**15.** in an earthquake, the point beneath Earth's surface where energy release occurs**20.** an opening on the Earth's surface where magma is forced up and flows out as lava |