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Science Cross Word Puzzle

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| **Across**  **3.** Rock that forms when existing rock is exposed to high pressure or high heat or both  **5.** Rock that forms from compacted sediment  **10.** An igneous rock layer formed when magma hardens beneath earths surface  **16.** The principle in undisturbed rock layers,older layer of rock lie beneath younger rock layers  **18.** An igneous rock layer formed when lava flows onto the earths surface and hardens  **19.** The impression of an organism in am rock  **20.** The age of a rock or fossils described in comparison to that of another rock or fossils | **Down**  **1.** A meanas of measuring the age of a material by comparing the amount of a radioactive form of an element with the amount of its decay product  **2.** A cylinder of ice removed from an ice sheet  **4.** The belief that the same natural laws and processes that operate in the universe now have always operated in the universe in the past and apply everywhere in the universe  **6.** Vertical fault where motion is up and down (vertical)  **7.** The surface where a new rock layer meets a much older rock surface a gap in the geologic record  **8.** Forms when melted rock cools  **9.** Vertical fault where motion is horizontal  **11.** The time required for half of the amount of radioactive parent element to decay into a stable daughter element  **12.** Fossils of widely distributed organisms that lived only during one short period  **13.** The actual age of a rock or fossil or how long ago it formed  **14.** a fossil copy of an organism made when a mold of the organism is filled with sediment or mineral deposits  **15.** Radioactive form of the element carbon that have been used to determine the absolute age of recent fossils and geologic events  **17.** A break or crack in earths surface along which movement occurs |