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5E Lesson Plan-Meter stick Geologic Time Lab

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| **Across**  **3.** an interval of geological time from about 252 to 66 million years ago.  **9.** a fossil that is useful for dating and correlating the strata in which it is found.  **12.** a major division of geological time, subdivided into eras.  **13.** A fossil consisting of an imprint of or a mark left by an organism, as opposed to physical remains.  **14.** a division of time that is a subdivision of a period and is itself subdivided into ages, corresponding to a series in chronostratigraphy.  **15.** the theory that changes in the earth's crust during geological history have resulted chiefly from sudden violent and unusual events.  **16.** e earliest part of Earth's history, set before the current Phanerozoic Eon.  **17.**  a Scottish geologist who popularised the revolutionary work of James Hutton. | **Down**  **1.** originated the theory of uniformitarianism—a fundamental principle of geology—that explains the features of the Earth's crust by means of natural processes over geologic time.  **2.** the theory that changes in the earth's crust during geological history have resulted from the action of continuous and uniform processes.  **4.**  fossil formed when an animal, plant, or other organism dies and is covered by sediment, its flesh decays and bones deteriorate due to chemical reactions, and a cavity remains below the ground surface.  **5.** a major division of time that is a subdivision of an eon and is itself subdivided into periods.  **6.**  a system of chronological dating that relates geological strata (stratigraphy) to time.  **7.** A fossil formed when an animal, plant, or other organism dies, its flesh decays and bones deteriorate due to chemical reactions; minerals gradually enter into the cavity, resulting in a cast, which is in the general form of the original organism.  **8.** the earliest of three geologic eras of the Phanerozoic Eon. It is the longest of the Phanerozoic eras, lasting from 541 to 251.902 million years ago  **10.** current and most recent of the three Phanerozoic geological eras, following the Mesozoic Era and extending from 66 million years ago to the present day  **11.** formed by the deposition and subsequent cementation of mineral or organic particles on the floor of oceans or other bodies of water at the Earth's surface. |

   Charles Lyell       James Hutton       uniformitarianism       catastrophism       Geologic time scale       eon       eras       epoch       Mold fossil       Cast fossil       Imprint fossil       Index fossil       Cenozoic era       Mesozoic era       Paleozoic era       precambrian       Sedimentary rock