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Earth History #1

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| **Across****3.** a basic law of geochronology, stating that in any undisturbed sequence of rocks deposited in layers**4.** the state or process of a species, family, or larger group being or becoming extinct. "the extinction of the great auk"**6.** the outermost layer of a planet**9.** the science of determining the relative order of past events**10.** between the end of the Precambrian eon and the beginning of the Ordovician period.**11.** any method of determining the age of earth materials or objects of organic origin based on measurement of short-lived radioactive elements**12.** process of determining an age on a specified chronology in archaeology and geology | **Down****1.** a system of chronological dating that relates geological strata to time**2.** a fossil that is useful for dating and correlating the strata in which it is found**5.** the remains or impression of a prehistoric organism preserved in petrified form **7.** earliest era of earth history, ending 570 million years ago**8.**  a core sample that is typically removed from an ice sheet |