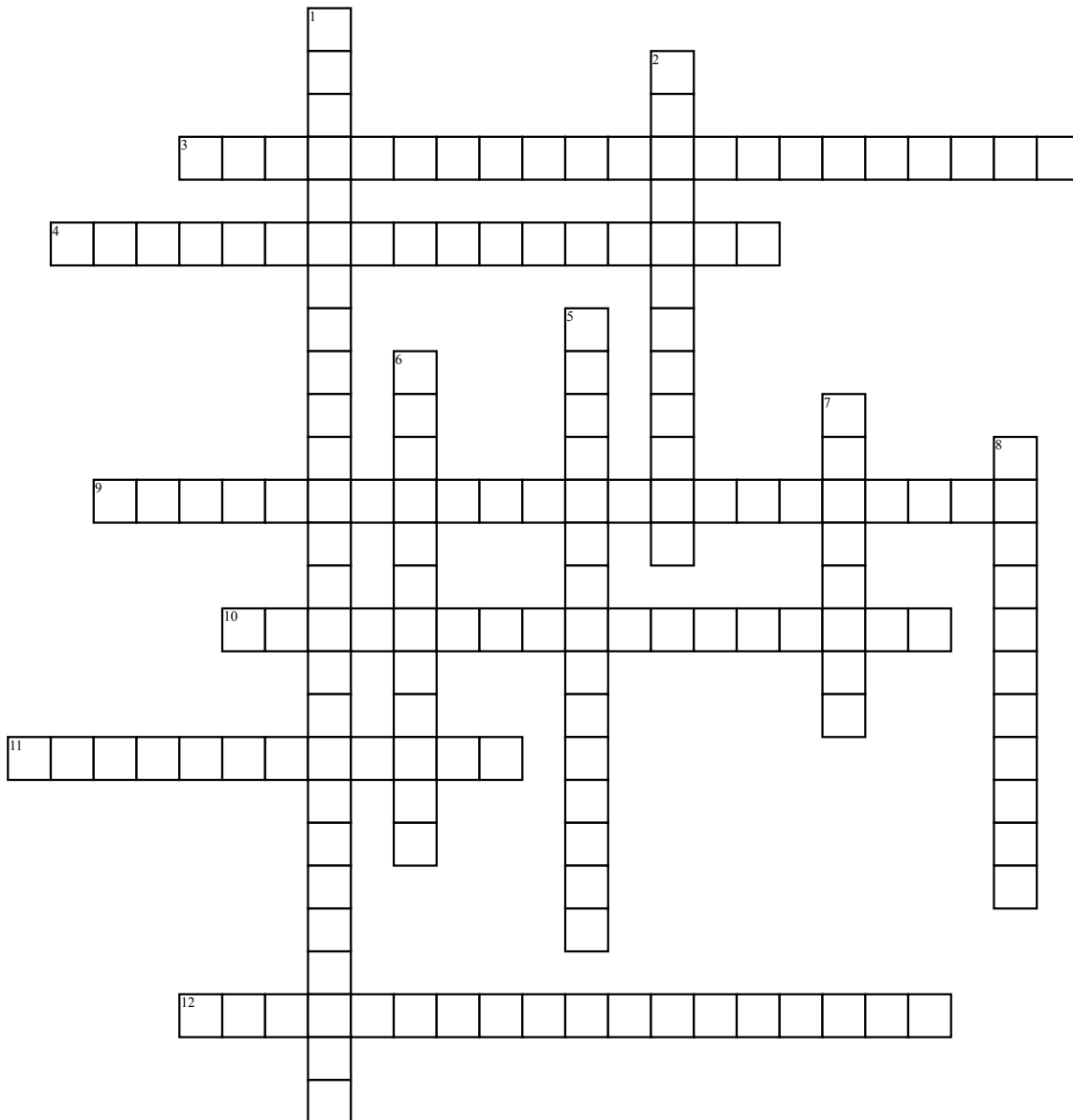


# Nerd Words



## Across

**3.** The observation that groups of plants and animals follow each other in time in a predictable manner

**4.** A method for measuring the age of a material by comparing the amount of a radioactive element within a rock or fossil to the amount of its decay product

**9.** The actual age of a fossil, rock layer or how long ago an event occurred

**10.** Processes that shaped/formed the earth in the past are the same processes that shape/form the earth today

**11.** When a rock layer is missing from one area of a rock bed. This may be caused by erosion or plate movement

**12.** In undisturbed rock layers, older layers of rock lie beneath younger rock layers

## Down

**1.** When molten rock cuts through sedimentary rock layers and cools into igneous rock layer is younger than the sedimentary layers it cuts through

**2.** Layers of sedimentary rocks that record how species change over time and show how different species relate to one another

**5.** A type of rock formed by sedimentation of material (sand, silt and clay) at the earth's surface and within bodies of water

**6.** A fossil of an organism that existed for only a short time, were common, and lived in many areas around the world

**7.** The length of time it takes for half of the atoms in a sample of radioactive element to decay into atoms in a stable element

**8.** Describes the age of a fossil or event in comparison to other fossils or events