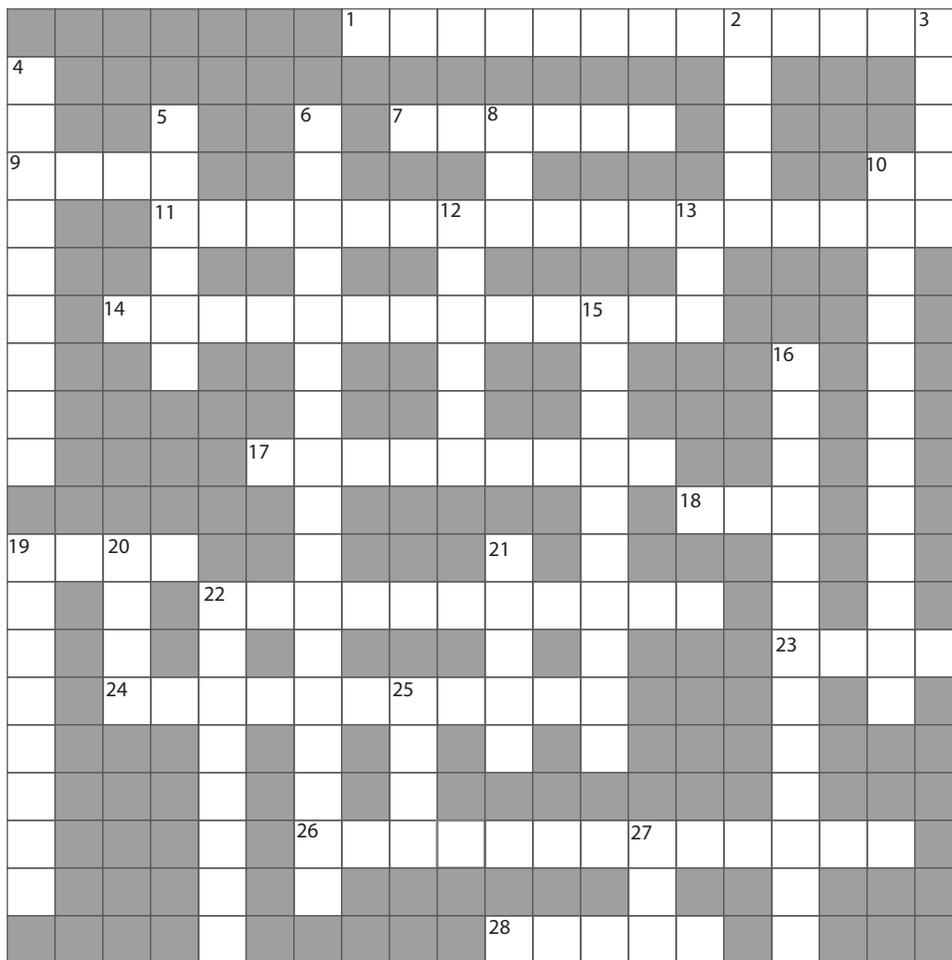


Geologic Time



Across

1. The Principle of Original _____ states sediment forms flat layers.
7. A _____, the remains of a prehistoric life form, is useful for correlating sedimentary layers in different locations.
9. Zoic means _____.
10. A prefix meaning 'not'.
11. A method of determining the age of a rock based on rates of decay of unstable nuclei.
14. A type of unconformity where intrusive igneous rock is separated from younger sedimentary strata.
17. The geologic _____ divides Earth history into units of varying magnitude.
18. The Paleozoic, Mesozoic and Cenozoic are each an example of an _____.
19. Prefix which means 'in the middle'.
22. Matching rocks of similar ages from different regions is _____.
23. Not all isotopes decay at the same _____.
24. The first 85% of Earth's history.
26. The Law of _____ states that in an undeformed sequence of sedimentary rocks, younger layers are above older layers.
28. A fossil that is widespread geographically and limited to a short span of geologic time.

Down

2. A particle emitted from the nucleus made of two protons and two neutrons.
3. Early views held that the Earth formed 4000 years ago but scientific evidence indicates that the Earth is not that _____.
4. During the _____ era life evolved to the stage of amphibians.
5. Cretaceous, Jurassic and Triassic are examples of a _____.
6. The principle which states that the physical, chemical and biological laws that operate today have also operated in the geologic past.
8. Why stand when you can _____.
10. An _____ represents a long period during which deposition ceased, erosion removed previously formed rocks and then deposition resumed.
12. The smallest divisions on the Geologic Time Scale such as the Pleistocene.
13. Opposite of night.
15. Pieces of one rock unit that are contained within another.
16. A doctrine widely held in the seventeenth and eighteenth centuries to explain the geology of the Earth.
19. Means "middle life"; it was the age of Reptiles. (a.k.a. Dinosaurs)
20. Used in cleansing processes.
21. An enjoyable diversion that uses electromagnetic radiation to relay entertainment.
22. Processes that involve the making and breaking of atomic bonds are termed _____ processes.
25. A field geologist hit her head on a rock outcrop and got a _____.
27. Oh say can you _____.