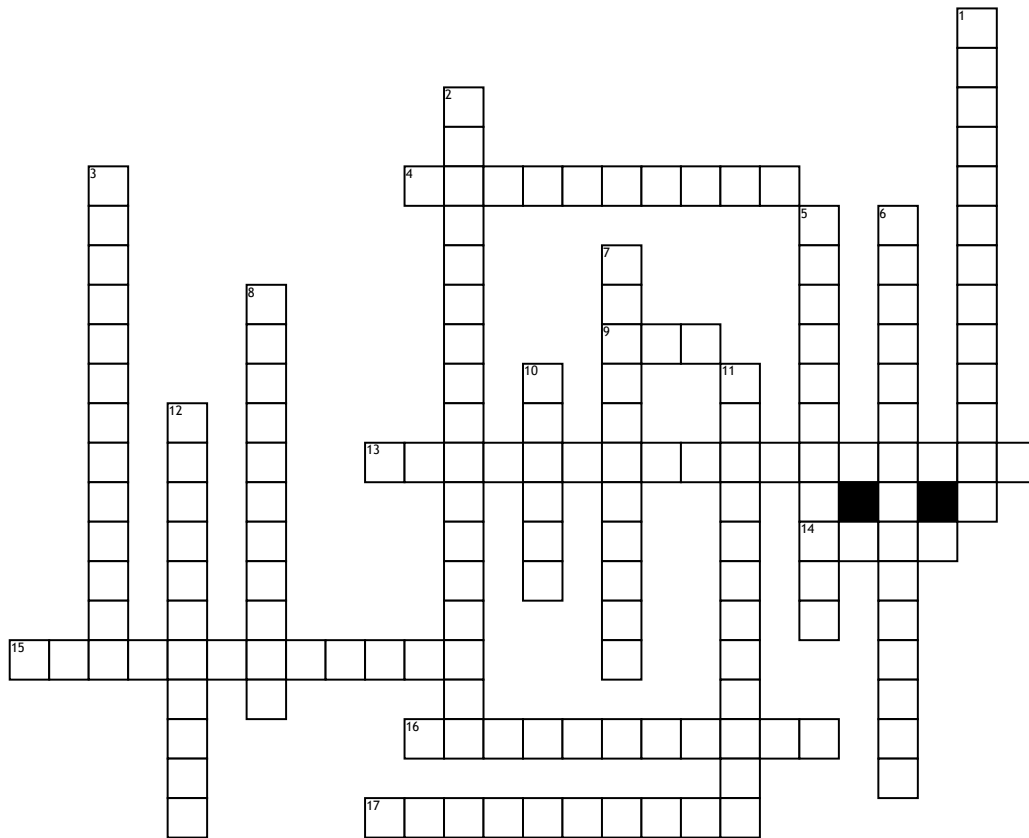


Geologic Time Scale Crossword



Across

- 4. A 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.
- 9. Largest, most general division of time
- 13. The processes that alter the Earth are uniform through time
- 14. a major division of time that is a subdivision of an eon and is itself subdivided into periods
- 15. Ancient life, 544 million years ago, lasted about 300 million years
- 16. Began about 65 million years ago and still continues today

- 17. Minerals gradually enter into the cavity, resulting in a cast.

Down

- 1. The theory that Earth has been affected in the past by sudden, short-lived, violent events, possibly worldwide in a scope
- 2. A record of the life forms and geological events in Earth's history
- 3. A thin object; such as a leaf that falls into sediment can leave an imprint when the sediment hardens into rock
- 5. The main plant life of this time were Gymnosperms or plants that produce seeds, but not flowers

- 6. Rock that has formed through the deposition and solidification of sediment
- 7. Began with the formation of Earth 4.6 billion years ago
- 8. 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.
- 10. A division of time that is a subdivision of a period
- 11. Scottish geologist who popularised the revolutionary work of James Hutton
- 12. Fossils of organisms that have lived during a short, well defined time span

Word Bank

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|---------------|--------------|-------------------|-------------------|-----------------|
| Epochs | Precambrian | Eras | GeologicTimeScale | MesozoicEra |
| Eon | PaleozoicEra | Uniformitarianism | ImprintFossil | CastFossil |
| IndexFossil | JamesHutton | CenozoicEra | CharlesLyell | SedimentaryRock |
| Catastrophism | MoldFossil | | | |