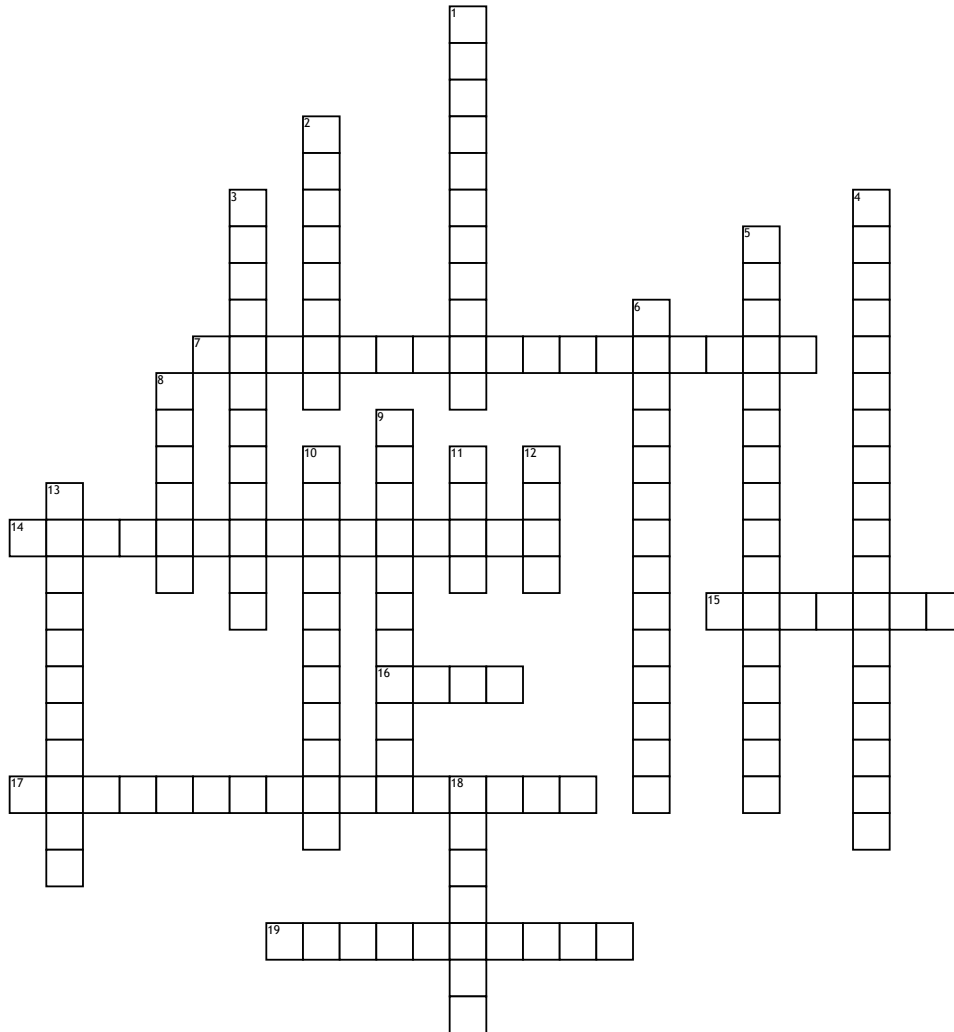


Geologic History



Across

- 7. the key principle that guides scientists when they make inferences about Earth's past and is states that the geologic processes that operate today also operated in the past
- 14. fossils in which minerals replace all of an organism or part of an organism such as a dinosaur bone - a fossil type
- 15. Eras that are subdivided. Many of the names come from places where fossils were discovered
- 16. the time period between the Pre -Cambrian and present time period; Paleozoic, Mesozoic and Cenozoic
- 17. elements that release particles of energy and they break down or decay over time. Atoms of one element break down to form atoms of another element.

- 19. an extremely thin coating of carbon on rock - a fossil type

Down

- 1. provides evidence of the activities of ancient organisms - a fossil type
- 2. it is the time it takes for a radioactive element for half of the elements to decay
- 3. a gap in the geological record that shows where rocks are lost due to erosion/ folding, etc...
- 4. to determine the relative age of a rock. It states that in undisturbed horizontal sedimentary rock layers the oldest is at the bottom Each higher layer is younger than the one below it
- 5. a process that preserves entire organisms, i.e. tar, tree resin, freezing - a fossil type
- 6. scientists that study fossils
- 8. the preserved remains or traces of living things - a fossil type
- 9. the number of years that have passed since a rock formed
- 10. a fossil that is widely distributed and and in existence for a relatively short period in geologic history. They are useful because they tell tell the relative age of the rock in which they are found.
- 11. a solid copy of the shape of an organism - a fossil type
- 12. a hollow area in sediment in the shape of an organism or part of an organism - a fossil type
- 13. the age of a rock compared to other rocks, i.e. older or younger than
- 18. when an organism no longer exists and will never again on earth

Word Bank

- | | | | |
|-------------------|-------------------|----------------------|-------------------|
| Extinct | Relative Age | Law of Superposition | Absolute Age |
| Index Fossil | Unconformity | Eras | Preserved Remains |
| Uniformitarianism | Radioactive Decay | Cast | Petrified Fossil |
| Half-Life | Fossil | Mold | Carbon Film |
| Periods | Paleontologist | Trace Fossil | |