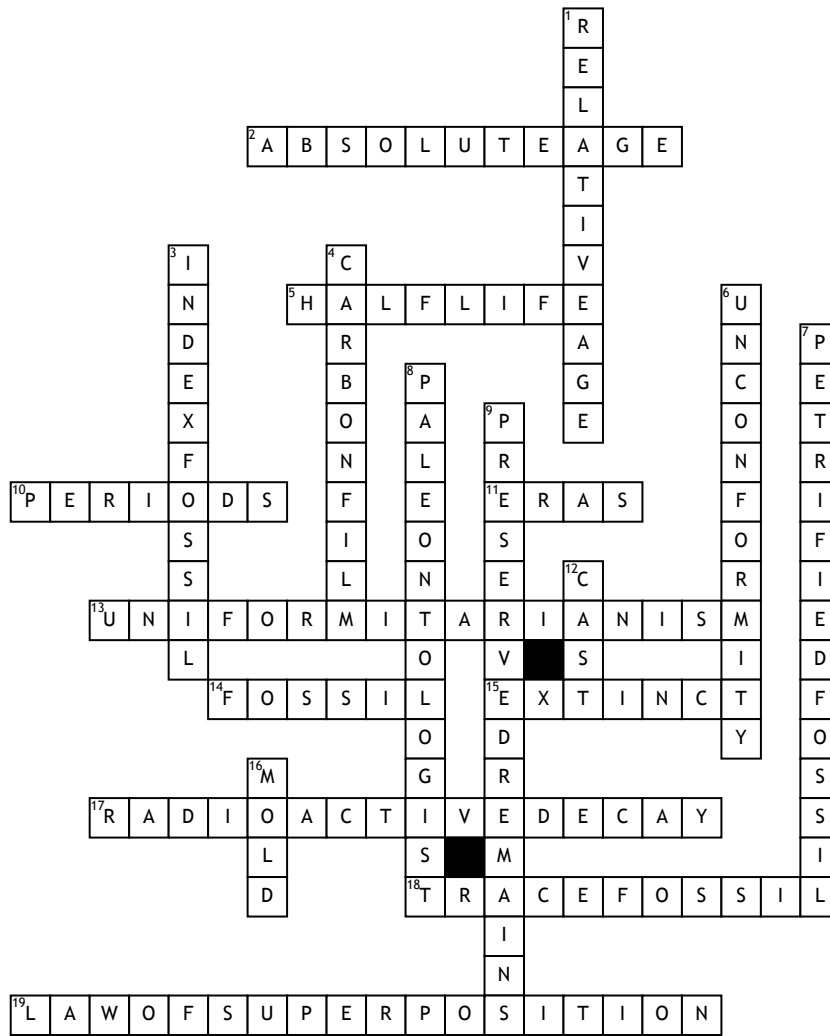


# Geologic History



## Across

2. the number of years that have passed since a rock formed
5. it is the time it takes for a radioactive element for half of the elements to decay
10. Eras that are subdivided. Many of the names come from places where fossils were discovered
11. the time period between the Pre -Cambrian and present time period; Paleozoic, Mesozoic and Cenozoic
13. 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. the preserved remains or traces of living things - a fossil type
15. when an organism no longer exists and will never again on earth

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

18. provides evidence of the activities of ancient organisms - a fossil type

19. 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

## Down

1. the age of a rock compared to other rocks, i.e. older or younger than
3. a fossil that is widely distributed and and in existence for a relatively short period in geologic history. They are useful because they tell the relative age of the rock in which they are found

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

6. a gap in the geological record that shows where rocks are lost due to erosion/ folding, etc...

7. fossils in which minerals replace all of an organism or part of an organism such as a dinosaur bone - a fossil type

8. scientists that study fossils

9. a process that preserves entire organisms, i.e. tar, tree resin, freezing - a fossil type

12. a hollow area in sediment in the shape of an organism or part of an organism - a fossil type

16. a hollow area in sediment in the shape of an organism or part of an organism - a fossil type

## Word Bank

Law of Superposition  
Cast  
Paleontologist  
Half-Life  
Radioactive Decay

Carbon Film  
Uniformitarianism  
Relative Age  
Extinct  
Petrified Fossil

Eras  
Mold  
Unconformity  
Absolute Age  
Index Fossil

Preserved Remains  
Trace Fossil  
Fossil  
Periods