

16. The Epoch from 65 to 54.8 mya.
18. Has the stable daughter product Lead-207, and a half-life value of 704 million years.
20. The Eon from 543 mya to present.
21. The Period from 144 to 65 mya.
23. The Period from 443 to 417 mya.
27. The Epoch from 33.7 to 23.8 mya.
28. The Period from 354 to 290 mya.
30. The second largest division of the geologic time scale subdivision of an eon.
31. The Eon from 3900 to 2500 mya.
32. The Era from 543 to 248 mya.
36. The Period from 65 to 24 mya.
38. The Period from 248 to 206 mya.
39. The Period from 24 to 1.8 mya.
40. The Era from 65 mya to today.
41. The Epoch from 10,000 years ago to present.
42. Has the stable daughter product Argon-40, and a half-life value of 1.25 billion years.
43. (3 words) Principle; a structure that cuts another is younger than the structure that is cut.

Down

1. Has the stable daughter product Lead-208, and a half-life value of 14.0 billion years.
3. Principle; a structure that is included in another is older than the including structure.
4. (2 words) Numerical ages in millions of years or some other measurement. These are most commonly obtained via radiometric dating methods performed on appropriate rock types.
5. The Period from 65 to 1.8 mya.
8. Has the stable daughter product Lead-206, and a half-life value of 4.5 billion years.
9. The Epoch from 23.8 to 5.3 mya.
11. The Epoch from 5.3 to 1.8 mya.
13. (3 words) Principle; a rock unit continues laterally unless there is a structure or change to prevent its extension.
14. Principle; in a vertical sequence of sedimentary or volcanic rocks, a higher rock unit is younger than a lower one. Down is older, up is younger.
15. Principle; processes operating in the past were constrained by the same laws of physics as operate today.
16. The Period from 290 to 248 mya.
17. The Period from 206 to 144 mya.
19. The Period from 543 to 490 mya.
22. Has the stable daughter product Strontium-87, and a half-life value of 48.8 billion years.
24. The Epoch from 54.8 to 33.7 mya.
25. The Period from 417 to 354 mya.
26. The third largest division of the geologic time scale subdivision of an era.
28. Another word for relative time.
29. The fourth largest division of the geologic time scale subdivision of a period.
32. The Period from 323 to 290 mya.
33. The Epoch from 1.8 million to 10,000 years ago.
34. Has the stable daughter product Neodymium-143, and a half-life value of 106 billion years.
35. The Eon from 4600 to 3900 mya.
37. The largest division of geologic time. The history of the Earth is divided into the Hadean Archean Proterozoic and Phanerozoic eons.