

1. The first geologic time scale was proposed by:
 - a. A Holmes (1913)
 - b. Adam Sedgwick (1835)
 - c. Charles Lapworth (1879)
 - d. CS Elton (1927)

2. The geological time scale has been broadly major
 - a. 4
 - b. 5
 - c. 6
 - d. 7

3. The major divisions of time scale are called:
 - a. Periods
 - b. Eras
 - c. Epoch
 - d. Years

Consider the following statements:

- a. The rocks of this era are mainly of the igneous type
 - b. The rocks of this era are devoid of fossils
 - c. During this era, the earth was formed
 - d. This era is characterised by complete absence of living organisms
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4. This era is known as the:
 - a. Proterozoic era
 - b. Azoic era
 - c. Archaeozoic era
 - d. Palaeozoic era



5. The first land vertebrate appeared during the:
 - a. Cambrian period
 - b. Ordovician period
 - c. Jurassic period
 - d. Devonian period

6. Which one of the following is known as the 'age of fishes'?
 - a. Devonian period
 - b. Tertiary period
 - c. Silurian period
 - d. Triassic period

7. The melting of glaciers began in the:
 - a. Ordovician period
 - b. Cambrian period
 - c. Silurian period
 - d. Devonian period

8. Placoderms became extinct by the end of the:
 - a. Silurian period
 - b. Mississippian period
 - c. Devonian period
 - d. Carboniferous period

9. Which one of the following periods marks the end of the Palaeozoic era?
 - a. Tertiary period
 - b. Permian period
 - c. Quaternary period



d. Devonian period

10. Dinosaurs with avian pelvic girdle were:

a. Ornithischia

b. Saurischia

c. *Brachiosaurus*

d. *Tyrannosaurus*

11. Cotylosaurs appeared in the:

a. Carboniferous period

b. Permian period

c. Tertiary period

d. Devonian period

12. Cotylosaurs became extinct during the:

a. Permian period

b. Triassic period

c. Devonian period

d. Silurian period

13. Which one of the following periods is known as the 'Age of Man'?

a. Tertiary period

b. Triassic period

c. Jurassic period

d. Quaternary period

14. Which one of the following about the Ordovician period is incorrect?

a. The first coral appeared in the Ordovician period

b. Brachiopods became dominant.

c. Crinoids became dominant.



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d. The climate was cold.

15. The first mass extinction occurred during the:

- a. Permian-Triassic
- b. Triassic-Silurian
- c. Jurassic
- d. Cretaceous

16. The main centre of evolution of the dinosaur was:

- a. South Africa
- b. North America
- c. Central Asia
- d. South America

17. Dinosaurs originated during the:

- a. Triassic period
- b. Permian period
- c. Jurassic period
- d. Silurian period

18. The first reptiles appeared during the:

- a. Tertiary period
- b. Permian period
- c. Carboniferous period
- d. Triassic period



19. Which one of the following is divided into epochs and periods?

- a. Palaeozoic era
- b. Mesozoic era
- c. Cenozoic era
- d. Archeozoic era

20. Dinosaurs were abundant during the:

- a. Permian period
- b. Triassic period
- c. Tertiary period
- d. Jurassic period

21. *Archaeopteryx* lived during the period:

- a. Jurassic
- b. Permian
- c. Devonian
- d. Tertiary

22. During which one of the following periods did dinosaurs become extinct?

- a. Devonian
- b. Permian
- c. Jurassic
- d. Tertiary

23. The era of fishes was:

- a. Archeozoic
- b. Palaeozoic
- c. Mesozoic



d. Cenozoic

24. The period during which the first mammal appeared:

- a. Jurassic
- b. Devonian
- c. Permian
- d. Triassic

25. The first creature whose body was perfectly preserved:

- a. Trilobites
- b. *Ichthyostega*
- c. *Eryops*
- d. *Archaeopteryx*

26. *Eryops* evolved during the:

- a. Devonian period
- b. Carboniferous period
- c. Ordovician period
- d. Cambrian period

27. Archaic mammals vanished during the:

- a. Eocene epoch
- b. Oligocene epoch
- c. Miocene epoch
- d. Pliocene epoch

28. Consider the following statements:

A. Precambrian is the darkest period of geology



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- B. The key of amphibian evolution is provided by *Icthyostega*
- C. *Seymouria* was one of the members of cotylosauria
- D. Triassic was the age of snakes, turtles and *saltophosuchus*

The correct statements are:

- a. All
- b. A, B and C
- c. A and D
- d. B and C

29. Divergent evolution of birds and mammals occurred during the:

- a. Paleocene
- b. Eocene
- c. Oligocene
- d. Miocene

30. Which one of the following is the 'age of giant molluscs'?

- a. Ordovician
- b. Devonian
- c. Triassic
- d. Permian

31. The Cambrian era does not include the:

- a. Cenozoic era
- b. Mesozoic era
- c. Palaeozoic era
- d. Archaeozoic era

32. Which one of the following is not a period of the Palaeozoic era?



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- a. Ordovician
- b. Perrnian
- c. Triassic
- d. Silurian

33. Insects appeared during the period.

- a. Triassic
- b. Ordovician
- c. Perrnian
- d. Tertiary

34. Which one of the following is the latest era?

- a. Cenozoic
- b. Mesozoic
- c. Palaeozoic
- d. Archaeozoic

35. Trilobites were dominant during the:

- a. Ordovician era
- b. Permian era
- c. Cambrian era
- d. Triassic era

36. The tail of the *Archaeopteryx* was flexible, containing vertebralae:

- a. 10
- b. 15



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- c. 23
- d. 35

37. Which one of the following was absent in the *Archaeopteryx*?

- a. Sternum
- b. Gastral ribs
- c. Saurian pelvis
- d. Wishbone

38. In which one of the following periods did aquatic Arthropods give rise to air breathing forms like scorpions, spiders, millipedes, etc.?

- a. Ordovician
- b. Silurian
- c. Devonian
- d. Permian

39. Apes originated from monkeys during the epoch:

- a. Eocene
- b. Oligocene
- c. Miocene
- d. Pliocene

40. The first mammal fossil was found in:

- a. Triassic
- b. Devonian
- c. Silurian
- d. Ordovician

41. The smallest dinosaur was the:



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- a. *Brachiosaurus*
- b. *Dimetrodon*
- c. *Diplodocus*
- d. *Compsognathus*

42. Which one of the following periods ended by the laramide revolution?

- a. Cretaceous
- b. Triassic
- c. Permian
- d. Jurassic

43. Lizards and crocodiles first appeared during the:

- a. Tertiary period
- b. Triassic period
- c. Silurian period
- d. Jurassic period

44. Stegocephalians became extinct during the:

- a. Jurassic period
- b. Cretaceous period
- c. Triassic period
- d. Permian period

45. Which one of the following is a creodont?

- a. *Coryphodon*
- b. *Arctocyon*



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c. *Pantolambda*

d. *Unitatherium*

46. The fossil of *Hesperornis* has been found from the:

a. Cretaceous period

b. Jurassic period

c. Permian period

d. Silurian period

47. *Hesperornis* was a:

a. Flying reptile

b. Fish

c. Aquatic diving bird

d. Aquatic reptile

48. Ammonites first appeared during the:

a. Ordovician period

b. Devonian period

c. Permian period

d. Silurian period

49. The only group that exhibited decline during the Devonian period was:

a. Trilobites

b. Stegocephalians

c. Arthrodirres

d. Eurypterids

50. Seaweeds were the only plants of the:

a. Permian period



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- b. Ordovician period
- c. Silurian period
- d. Devonian period

51. The largest division of geologic time is the:

- a. Eon
- b. Era
- c. Period
- d. Epoch

52. Explosion of life forms occurred during the:

- a. Cambrian period
- b. Silurian period
- c. Ordovician period
- d. Permian period

53. Which one of the following is the basic unit of geological time scale in which a single type of rock system is formed?

- a. Era
- b. Period
- c. Epoch
- d. Eon

54. The period that brought the first reptile is the:

- a. Permian period
- b. Ordovician period
- c. Carboniferous period



d. Silurian period

55. Pangaea began to break up during the:

- a. Permian period
- b. Triassic period
- c. Tertiary period
- d. Silurian period

56. A new period added by geologists in March 2004 to the earth's chronology is the:

- a. Neocaran
- b. Paleocaran
- c. Ediacaran
- d. Old Cambrian

