

Geologic Time webquest

Name: _____

Go to: <https://goo.gl/gCusMi> Read through all of the information on the site and follow the directions.
Answer the following questions as you come to that information.

1. How old is the Earth?
2. When did life (organisms) first appear on Earth?
3. Write down the 6 events (sliced bread, Internet, etc.) from the timeline, starting with earliest and going up to the most recent.
4. You created a relative timeline and then added actual dates. What was the date that the internet was first invented?
5. How is relative time (in terms of geologic time) recorded?
6. What is the law of superposition?
7. What is buried in the rock layers that gives us the evidence for Earth's history?
8. Most recent fossils are found in which layer of rock?
9. Oldest fossils are found in which layer of rock?
10. What does radiometric dating do for us?
11. Explain how radiometric dating works?
12. What is the Geologic Time Scale?
13. In what eon did single-celled organisms appear?
14. What are the names of the 3 eras that occur during the Phanerozoic Eon? Put them in order from oldest to youngest.
15. Dinosaurs appeared in which era?
16. Eras are further divided into _____.

17. In which period did:

- Life first appear on land?
- The largest mass extinction occur?
- Dinosaurs go extinct?
- Glaciers come and go across the Earth's temperate zones?



STOP! Do Not take the online quiz yet. Answer the questions below and then check your answers by completing the online quiz.



18. Scientific evidence suggests that the Earth is:

- a. Less than 1 million years old
- b. Less than 1 billion years old
- c. More than 4 billion years old
- d. More than 6 billion years old
- e. None of these

19. Evidence for past events in Earth's ancient history are provided by:

- a. Rocks and the fossils within them
- b. History books
- c. Time lines
- d. The clothes people wore
- e. The biodiversity of North America

20. The Law of Superposition allows us to determine:

- a. Which rock layers are the oldest
- b. The relative age of layers of rocks and the fossils in them
- c. The exact or absolute age of rock layers
- d. a and b are correct
- e. a and c are correct

21. Radiometric dating allows us to determine:

- a. Which rock layers are the oldest
- b. The relative age of layers of rocks and the fossils in them
- c. The exact or absolute age of rock layers
- d. a and b are correct
- e. a and c are correct

22. The division of time in the Geologic Time Scale represent:

- a. The Law of Superposition
- b. The results of radiometric dating
- c. Major changes in biodiversity
- d. Multiples of 35 million years
- e. All of the above

23. How many of the quiz questions did you get right on the first try?