

Name: _____ Date: _____

The Origin of Life

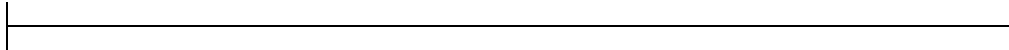
Go to the following website:

<http://www.ucmp.berkeley.edu/education/explorations/tours/geotime/>

Click on Student Start

Watch the presentation and answer the following questions.

1. How long ago was the formation of the earth?
2. How long ago is there evidence of the earliest forms of life?
3. When did we have evidence of early land plants?
4. The largest mass extinction was how many years ago?
5. What was the most recent geological event that occurred 4,000,000 years ago?
6. Place the events on the website in order from earliest to most recent on the timeline on the website. Write in the events on the timeline below. Include the actual dates.



7. According to the time line, the earliest event in history is:
 - a. Titanic sinks
 - b. Skateboards
 - c. Slinky
 - d. Sliced bread
 - e. First us Olympics
 - f. Internet
8. According to the time line, the most recent event in history is:
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 - e. First us Olympics
 - f. Internet

9. Place the events on the website in order from earliest to most recent on the timeline on the website. Write in the events on the timeline below.

10. According to the history of life time line, the most recent event in history is:

- a. Lucy- a humanoid
- b. Archaeopteryx- an early bird
- c. A fossil skate-related to sharks
- d. Early synapsid- related to mammal
- e. Triceratops
- f. Fossil Trilobite

11. According to the history of life time line, the oldest event in history is:

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12. What do rock layers represent?

13. Describe the law of superposition?

14. Why are trilobites named the way they are?

15. Draw a picture of a brachiopod.

16. When were the ammonites extinct?

17. What were the largest arthropods to ever live and how long ago did they live?

18. What is radiometric dating?

19. Due to its chemical composition, what rock is easy to date?
20. Using the radiometric dating, how old is the rock layer with the brachiopods in it?
21. How can we represent the events in Earth's history in an organized way?
22. Give the 4 eons of the geologic time line
23. Which eon shows no evidence of life?
24. Which eon has the most abundance of life?
25. During the phanerozoic eon, there are 3 eras. What are they?
26. Dinosaurs, cycads, and ferns were most abundant in which era?
27. The cambrium period was composed of what?
28. The tertiary period was composed of what?
29. Which period was composed of things like tree ferns and dragonflies?
30. For the "putting the pieces together" section, write your answers to the 5 questions below. How many did you get correct the first time?