**Geologic Time** Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PD \_\_\_\_\_\_\_\_\_\_

DUE: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Click on the following link - <http://www.ucmp.berkeley.edu/education/explorations/tours/geotime/gtiframe.html>

Click through the pages & be sure to follow the directions. Pay close attention to the toolbar at the top of the webpage as it will tell you the page number of the site. Use the information provided to answer the questions below.

**Page 2**

**1.** If you were to write a history of the Earth's past, allowing just one page per year, your book would be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ pages long. An average reader, reading about 1 page every 2 minutes would need more than \_\_\_\_\_\_\_\_\_\_\_\_ years to finish it. And that's with no time out for anything else — no time to eat, sleep, ride a bike, or go to school. Even if you were an amazing speed reader and could read 2 pages every second, it would still take you nearly \_\_\_\_\_\_\_\_\_ years to read the entire book.

**2.** Click on the second bookmark, how long ago was the earliest life? What page number in the book?

**3.** Click on the third bookmark, how long ago did early plants appear? What page number in the book?

**4.** When was the largest mass extinction? What page number in the book?

**5.** When did dinosaur extinction occur? What page number in the book?

**6.** When did Lucy disappear? What page number in the book?

**PAGE 4** – You will order events from history on the next few pages. To do so, click on the white box first, and then click on the event that belongs in the box. When you are finished, list the events in order from the earliest to most recent.

**7.** What is the order of the events of page 4? (Titanic & Slinky) List the actual dates (given after you finish the page) next to each event. The events shown are in relative order. The dates next to each provide the absolute date.

**8.** What is the law that is illustrated on page number 6? What does that law state?

**PAGE 7**

**9.** List the fossils from the oldest to the youngest.

**PAGE 8**

**10.** What is the range of ages for the brachiopods?

**PAGE 9**

**11.** What does Pre-Archean refer to?

**12.** What does Archean mean? What type of organisms were present?

**13.** What does Proterozoic mean? Besides bacteria, what was present during this time?

**14.** What does the Phanerozoic Eon encompass? When did it start?

**15.** What does Paleozoic mean? List two organisms from that era.

**16.** What does Mesozoic mean? List two life forms that were abundant.

**17.** What does Cenozoic mean? List two life forms that became more abundant during that era.

**18.** Complete the table below. List an organism from each page.

|  |  |  |
| --- | --- | --- |
| **ERA** | **PERIOD** | **ORGANISM** |
| CENEZOIC ERA | QUATERNARY |  |
|  | TERTIARY |  |
|  | CRETACEOUS |  |
| MESOZOIC ERA | JURASSIC |  |
|  | TRIASSIC |  |
|  | PERMIAN |  |
|  | CARBONIFEROUS |  |
| PALEOZOIC ERA | DEVONIAN |  |
|  | SILURIAN |  |
|  | ORDOVICIAN |  |
|  | CAMBRIAN |  |

**19.** Write the answers to the five questions at the end of the web quest.