

Name \_\_\_\_\_  
Date \_\_\_\_\_ Per \_\_\_\_\_

## ***Understanding Geologic Time Scavenger Hunt***

As you navigate through *Geologic Time*, keep your eyes open for answers to the following questions.

<http://www.ucmp.berkeley.edu/education/explorations/tours/geotime/gtpage1.html>

Hint: The first 5 are in the "book". The book goes on for a few web pages.

1. Find the book. Find any page in the book and describe what is happening there.

2. Current scientific evidence shows that the Earth is (Hint: How many pages and how much time per page!):

- a) less than 1 million years old
- b) between 3 and 4 billion years old
- c) more than 4 billion years old

3. When was the earliest life on earth? \_\_\_\_\_

4. When did the dinosaur extinction happen? \_\_\_\_\_

5. When was the earliest hominid? \_\_\_\_\_

6. Find the word superposition. What does it mean?

7. When did ammonites become extinct? \_\_\_\_\_

8. What do scientists use to find the relative age of something? \_\_\_\_\_

9. When did the trilobite live? \_\_\_\_\_

10. Find the woman scientist. What is she studying? What will she learn?

11. What do scientists use to find the absolute date of something?

12. What kind of rock layers are the scientists dating?

13. List the different names of the time periods on the Geologic Time Scale. (Hint: The top ones only—in dark blue. There are 3.)

14. The diagram below shows a portion of the Geologic Time Scale. What do the divisions of time represent?

- a) the names of famous scientists
- b) major changes in flora (plants) and fauna (animals)
- c) Latin terms for lengths of time

C O N O L O G I C	P A L E O Z O I C	PERMIAN
		CARBONIFEROUS
		DEVONIAN
		SILURIAN
		ORDOVICIAN
		CAMBRIAN

15. During which period did life appear? \_\_\_\_\_

15. What kind of life lived during the Proterozoic Eon?

16. Name 2 kinds of life that lived during the Mesozoic Era?

17. During what period did Pangaea come together? \_\_\_\_\_

18. During what period did sponges first appear? \_\_\_\_\_

19. During what period did the first fossils of insects appear? \_\_\_\_\_

EON	ERA
PHANEROZOIC	CENOZOIC
	MESOZOIC
	PALEOZOIC
PROTEROZOIC	
ARCHEAN	
PRE-ARCHEAN	