

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

Date: \_\_\_\_\_

## Geologic Time - Intro Article Responses

List at least 1 other question you could have to learn more about geologic time

In less than 3 sentences → EXPLAIN in your own words to the best of your understanding, *WHAT IS GEOLOGIC TIME? How is it different from our daily time?*

## Geologic Time - An Exploration

Go to the following URL:

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

Click on **Student Start** and then go through the site. Answer the questions on this sheet as you move through the website.

**The Earth is billions of years old and a lot has happened in that time:**

1. How many pages would the book be?
2. Could you read this book in your lifetime? Why or Why not?

### Exciting Events from Earth's History:

Fill in the table with at least 3 *exciting events* from Earth's history. (Click on the red tabs)

Event	Time

What is <b>Relative Age</b> ?	What is <b>Absolute Age</b> ?
Where is <b>Relative Time</b> recorded?	What is the <b>Law of Superposition</b> ?

### **How is geological evidence gathered and used to inform what we know?**

Fill in this table of the fossils found in several rock layers.

Fossil Name	Relative Time	Unique Fact

How do geologists find absolute rock and fossil ages?

**Geologic Time Eras** - Explain what each era was in 1 sentence and give 1 example of life fromm that time

Era	Meaning	Examples of life
Paleozoic		
Mesozoic		
Cenozoic		

**Assessing Our Learning:** Take the 5 question quiz at the end of the website.

What are two big ideas you took away from this activity?

[Professor Dave - Relative Dating video](#) (7 minutes)

[Professor Dave - Absolute Dating video](#) (10 minutes)

[How Does Radiometric Dating Work](#) (5 minutes)