

Timeline of Earth's History

Directions:

1. Complete Data Table 1. Use your Biology textbook, page 337 for reference. The internet can also be used.
2. Complete Data Table 2. Your Biology textbook and the internet can be used.
3. Obtain at a minimum of 5 meters of cash register paper.
4. Timeline
 - a. At the far right of your paper make a vertical line and label it "Today".
 - b. Measure 4.6 meters from the "Today" mark and make a vertical line, label it "Earth begins".
 - c. Always measure from Today and place Data Table 1 onto your Timeline.
 - i. Mark and label the Era's, include time onto the Timeline.
 - ii. Mark and label the Periods, include time onto the Timeline.
 - iii. Color each Era with a colored pencil. Do not color the Precambrian Era.
 - d. Place the contents of Data Table 2 onto your Timeline, include time onto the Timeline.
 - e. Use the scale below to make your Timeline of Earth's history.

Scale

1 meter = 1 billion years

1 cm = 10 million years

1 mm = 1 million years

Data Table 1

Era	Period	Million years ago (mya)
Precambrian		
Paleozoic		
	Cambrian	
	Ordovician	
	Silurian	
	Devonian	
	Carboniferous	
	Permian	
Mesozoic		
	Triassic	
	Jurassic	
	Cretaceous	

Cenozoic		
	Tertiary	
	Quaternary	

Data Table 2

Event	Time (millions of years ago) (mya)	Significance/question to be answered on timeline
Earth's age		Theory of its formation
First cell (life begins)		Type of cell, make a drawing
First photosynthetic organism		Type of cell, draw and label include organelles
Oldest rock		
First reptile		
When ozone levels reached present day levels		Benefit to life?
First fish		
First amphibian		
First eukaryotes		How formed? Diagram
First primate		What were they called?
First dinosaur		
First bird		
First mammal		
Extinction of the dinosaur		Give a theory to explain their extinction
Earliest human		
Pangea		