**Sidewalk Time Scale** 

**Instructions:**

1. Measure out 4.6 meters in a straight line. Each meter represents 1 billion years of earth’s history, each centimeter represents 10 million years, and each millimeter represents 1 million years.
2. As a group, mark the beginning of each eon, era and period.



Precambrian Era

1. Mark the following 27 events on your timeline:
2. Formation of the Earth - 4.6 billion years ago
3. Oldest Know Rock – 4.3 billion years
4. First Single Celled Organism – 4 billion years
5. Age of most continental crust – 3.7 billion years
6. First viruses appear –3.5 billion years
7. Cyanobacteria (photosynthetic) – 3 billion years
8. Initial atmospheric oxygen – 2.4 billion years
9. Evolution of eukaryotic (non-bacterial) life—1.8 billion years
10. First Multi-Celled organisms – 700 million years
11. Precambrian Extinction (70% wiped out) – 650 million years
12. First Shellfish – 570 million years
13. First Fish – 510 million years
14. Appalachians form – 480 million years
15. Plants move onto land – 450 million years
16. First Amphibian – 375 million years
17. First Reptile – 325 million years
18. Permian-Triassic Extinction (99% wiped out) – 250 million years
19. Mammals appear – 195 million years ago
20. Opening of the Atlantic Ocean – 180 million years
21. First Known Birds – 160 million years
22. Rocky Mountains Form – 80 million years
23. Extinction of Dinosaurs – 65 million years
24. First Proto-humans appear – 35 million years
25. Rise of The Himalayan Mountains – 20 million years
26. Homo Sapiens!!! – 200,000 years
27. Last Ice Age – 20,000 years
28. Recorded Human history – 10, 000 years
29. When finished, take a picture for your notes