

## Geologic Time Table

4. **Geologic Time**  
Major units during 1800's before radiometric dating. Each unit is characterized by changes in lifeforms  
Eons, Era, periods, epochs  
(Phanerozoic), (Paleozoic, Mesozoic, Cenozoic), (7, 3, 2 periods)
5. Evolution of life is dependent on the location of the continents (plate tectonics), atmospheric composition (e.g. O<sub>2</sub>), climate (related to CO<sub>2</sub> abundance) ...
6. Phanerozoic: 545 million years ago.  
1<sup>st</sup> era: Paleozoic, 1<sup>st</sup> period: Cambrian: fossilized, well-preserved, hard body parts. 2<sup>nd</sup> period: Silurian: plant life; 3<sup>rd</sup> period: Devonian: invertebrates, ...

Eon	Era	Period	Epoch	Millions of years ago
Phanerozoic	Cenozoic	Quaternary	Holocene	Today
			Pleistocene	0.01 (10,000 years ago)
		Tertiary	Pliocene	1.6
			Miocene	5.3
			Oligocene	23.7
			Eocene	36.6
			Paleocene	57.8
				65.0
	Mesozoic	Cretaceous	144	
		Jurassic	208	
		Triassic	245	
	Paleozoic	Permian	286	
		Carboniferous	360	
		Devonian	408	
		Silurian	438	
		Ordovician	505	
		Cambrian	545	
Precambrian:				
•Proterozoic				2500
•Archean				3800
Hadean				4600

