



Geologic Time Periods

The names of the eons, eras, periods/systems, series (or epochs) and stages (or ages) are given by the International Commission on Stratigraphy. The millions of years (MYAs) are all estimates and the geological time placements of epochs and ages are still under discussion.

The series (epochs) and stages (ages) have names, which will be shared in future charts.

Life (multi-cellular) began during the Cambrian period. Dinosaurs ruled the Earth during the Mesozoic era.

Eon	Era	Period/System	Series	Stage	MYA
Phanerozoic	Cenozoic	Quaternary	2	5	2.588 – Today
		Neogene	2	8	23.03 – 2.588
		Paleogene	3	9	65.0 – 23.03
	Mesozoic	Cretaceous	2	12	145.5 - 65.0
		Jurassic	3	11	201.3 – 145.0
		Triassic	3	6	252.17 – 201.3
	Paleozoic	Permian	3	9	298.9 – 252.17
		Carboniferous	2	7	358.9 – 298.9
		Devonian	3	7	419.2 – 358.9
		Silurian	3	7/8	443.4 – 419.2
		Ordovician	3	7	485.4 – 443.4
Cambrian		4	10	541.0 – 485.4	
Proterozoic	Neoproterozoic	Ediacaran	-	-	635.0 – 541.0
		Cryogenian	-	-	830 – 635
		Tonian	-	-	1000 – 850
	Mesoproterozoic	Stenian	-	-	1200 – 1000
		Ectasian	-	-	1400 – 1200
		Calymmian	-	-	1600 – 1400
	Paleoproterozoic	Statherian	-	-	1800 – 1600
		Orosirian	-	-	2050 – 1800
		Rhyacian	-	-	2300 – 2050
		Siderian	-	-	2500 – 2300
Archeozoic	Neoarchean		-	-	2800 – 2500
	Mesoarchean		-	-	3200 - 2800
	Paleoarchean		-	-	3600 - 3200
	Eoarchean		-	-	4000 - 3600
Hadean		Earth is molten rock			4540 - 4000