

Geol 102 Historical Geology  
The Geologic Timescale 2024

EON	ERA	PERIOD (Special Units)	EPOCH	Range (Ma)	
Phanerozoic	Cenozoic	Quaternary	Holocene	0.011784 - now	
			Pleistocene	2.58 - 0.011784	
		Neogene	Pliocene	5.333 - 2.58	
			Miocene	23.03 - 5.333	
		Paleogene	Oligocene	33.9 - 23.03	
			Eocene	56.0 - 33.9	
	Paleocene		66.0 - 56.0		
	Mesozoic	Cretaceous		145.0 - 66.0	
		Jurassic		201.4 - 145.0	
		Triassic		251.9 - 201.4	
	Paleozoic	Permian		298.9 - 251.9	
		Carboniferous	Pennsylvanian Sub-period		323.2 - 298.9
			Mississippian Sub-period		358.9 - 323.2
		Devonian		419.2 - 358.9	
		Silurian		443.8 - 419.2	
		Ordovician		485.4 - 443.8	
Cambrian		538.8 - 485.4			
Proterozoic	Neoproterozoic	Ediacaran		635 - 538.8	
		Cryogenian		720 - 635	
		Tonian		1000 - 720	
	Mesoproterozoic	Stennian		1200 - 1000	
		Ectasian		1400 - 1200	
		Calymmian		1600 - 1400	
	Paleoproterozoic	Statherian		1800 - 1600	
		Orosirian		2050 - 1800	
		Rhyacian		2300 - 2050	
		Siderian		2500 - 2300	
Archean	Neoarchean		2800 - 2500		
	Mesoarchean		3200 - 2800		
	Paleoarchean		3600 - 3200		
	Eoarchean		4031 - 3600		
Hadean			4567 - 4031		

Geochronology primarily derived from Overview of Global Boundary Stratotype Sections and Points (GSSP's)  
<https://stratigraphy.org/gssps/>