



GEOLOGIC TIME SCALE

	Era	Period	Epoch	Time	Major Events	
Phanerozoic Eon	Cenozoic	Quaternary	Holocene	11,000 YA - Today	Human civilization	
			Pleistocene	1.8 - 0.011 MYA	Last Ice Age & Early Man	
		Tertiary	Pliocene	5 - 1.8 MYA	First ape-like animals & large carnivores	
			Miocene	24 - 5 MYA	First horses & antelopes (animals that graze)	
			Oligocene	38 - 24 MYA	Modern mammals & birds have appeared	
			Eocene	54 - 38 MYA	First grasses, many trees, modern mammals & advanced primates appear	
			Paleocene	65 - 54 MYA	Flowering plants are abundant & small animals appear	
	Mesozoic	Cretaceous	Upper	98 - 65 MYA	"Age of Reptiles" Dinosaurs rule the Earth	
			Lower	146 - 98 MYA		
		Jurassic	 208 - 146 MYA			
		Triassic	245 - 208 MYA			
	Paleozoic	Permian		286 - 245 MYA	Trilobites extinct	
		Carboniferous		Pennsylvanian	325 - 286 MYA	Conifers & winged insects, first reptiles appear
				Mississippian	360 - 325 MYA	
Devonian		410 - 360 MYA		Insects, sharks, lung fish appear		
Silurian		440 - 410 MYA		First land predators & lung fish		
Ordovician		500 - 440 MYA		First land plants, corals, primitive fish		
Cambrian		544 - 500 MYA		"Age of Trilobites"		
Pre-Cambrian Time	Proterozoic		2500 - 544 MYA			
	Archaean		3800 - 2500 MYA		Rock formation & Ancient Life - Fossils for this time frame are not common	
	Hadean		4500 - 3800 MYA			