

# GEOLOGIC TIME

Numbers represent  
millions of years ago

<i>EON</i>	<i>ERA</i>	<i>PERIOD</i>	<i>EPOCH</i>	<i>DEVELOPMENT OF PLANTS &amp; ANIMALS</i>		
<b>PHANEROZOIC</b>	<b>CENOZOIC</b>	QUARTERNARY	HOLOCENE	0.01      Humans Develop  1.6  5.3  <b>AGE OF MAMMALS</b>  23.7  36.6  57.8  66.4 <u>Extinction of the Dinosaurs and many other species</u>		
			PLEISTOCENE			
		TERTIARY	PLIOCENE			
			MIOCENE			
			OLIGOCENE			
			EOCENE			
			PALEOCENE			
			66.4			
	<b>MESOZOIC</b>	CRETACEOUS	144	<b>AGE OF REPTILES</b>	First flowering plants	
		JURASSIC	208		First Birds	
		TRIASSIC	245		Dinosaurs dominant	
	<b>PALEOZOIC</b>	<small>CARBONIFEROUS</small>	PERMIAN	286	<b>AGE OF AMPHIBIANS</b>	Extinction of trilobites and many other marine animals
			PENNSYLVANIAN	320		First reptiles
			MISSISSIPPIAN	360		Large coal swamps Amphibians abundant
DEVONIAN		408	<b>AGE OF FISHES</b>	First insect fossils		
SILURIAN		438		Fishes dominant First land plants		
ORDOVICIAN		505	<b>AGE OF INVERTEBRATES</b>	First fishes		
CAMBRIAN		570		Trilobites dominant First organisms with shells		
<b>PROTEROZOIC</b>		2500	Collectively called <u>Precambrian</u> , comprises 87% of the geologic time scale		First multicelled organisms	
<b>ARCHEAN</b>	3800				First one-celled organisms	
<b>HADEAN</b>	4600				Age of oldest rocks	
				Origin of the earth		