

Geologic Time Scale

ERA	PERIOD	EPOCH	STAGE	Ma*	ERA	PERIOD	EPOCH	STAGE	Ma*	
CENOZOIC	NEOGENE	HOLOCENE		0.01	PALEOZOIC	PERMIAN		CHANGHSINGIAN WUCHIAPINGIAN	2510.0±0.4	
		PLEISTOCENE	LATE MIDDLE EARLY	1.81			LOPINGIAN	260.4±0.7		
		PLIOCENE	GELASIAN PIACENZIAN ZANCLEAN	5.33			GUADALUPIAN	270.6±0.7		
		MIOCENE	MESSINIAN TORTONIAN SERRAVALLIAN	23.03			CISURALIAN	KUNGURIAN ARTINSKIAN SAKMARIAN ASSELIAN	299.0±0.8	
			LANGHIAN BURDIGALIAN AQUITANIAN							
	PALEOGENE	OLIGOCENE	CHATTIAN RUPELIAN	33.9±0.1		CARBONIFEROUS	PENNSYLVANIAN	UPPER	GZHELIAN KASIMOVIAN	306.5±1.0
		EOCENE	PRIABONIAN BARTONIAN LUTETIAN YPRESIAN	55.8±0.2				MIDDLE	MOSCOVIAN	311.7±1.1
			THANETIAN SELANDIAN DANIAN					65.5±0.3	LOWER	BASHKIRIAN
	CRETACEOUS	UPPER	MAASTRICHTIAN CAMPANIAN SANTONIAN CONIACIAN TURONIAN CENOMANIAN	99.6±0.9			MISSISSIPPIAN	UPPER	SERPUKHOVIAN	318.1±1.3
			LOWER	ALBIAN APTIAN BARREMIAN HAUTERIVIAN VALANGINIAN BERRIASIAN				145.5±4.0	MIDDLE	WISEAN
JURASSIC		TITHONIAN KIMMERIDGIAN OXFORDIAN		161.2±4.0	LOWER			TOURNAISIAN	345.3±2.1	
		MIDDLE		CALLOVIAN BATHONIAN BAJOCIAN AALENIAN	175.6±2.0	DEVONIAN	UPPER	FAMENNIAN FRANSIAN	359.2±2.5	
LOWER			TOARCIAN PLIENSCHACHIAN SINEMURIAN HETTANGIAN	199.6±0.6	MIDDLE		GIVETIAN EIFELIAN	385.3±2.6		
	TRIASSIC	UPPER	RHAETIAN NORIAN CARNIAN	228.0±2.0	LOWER		EMSIAN PRAGIAN LOCHKOVIAN	397.5±2.7		
MIDDLE			LADINIAN ANISIAN	245.0±1.5	SILURIAN	PRIDOLI	416.0±2.8			
		LOWER	OLENEKIAN INDUAN	251.0±0.4		LUDLOW	LUDFORDIAN GORSTIAN	418.7±2.7		
ORDOVICIAN			UPPER	251.0±0.4		WENLOCK	HOMERIAN SHEINWOODIAN	422.9±2.5		
	MIDDLE	DARRIWLIAN				LLANDOVERY	TELYCHIAN AERONIAN RHUDDANIAN HIRNANTIAN	428.2±2.3		
					UPPER				443.7±1.5	
CAMBRIAN	LOWER	542.0±1.0	FURONGIAN	PAIBIAN	501.0±2.0					
			MIDDLE			513.0±2.0				
			LOWER							

*Millions of years ago