

Eonothem Eon	Erathem Era	System Period	Series Epoch	Stage Age	Age Ma	GSSP
Phanerozoic	Cenozoic	Quaternary	Holocene		0.0117	↗
			Pleistocene	Upper	0.126	
				"Ionian"	0.781	
				Calabrian	1.806	↗
				Gelasian	2.588	↗
		Neogene	Pliocene	Piacenzian	3.600	↗
				Zanclean	5.332	↗
			Miocene	Messinian	7.246	↗
				Tortonian	11.608	↗
				Serravallian	13.82	↗
				Langhian	15.97	↗
				Burdigalian	20.43	↗
				Aquitania	23.03	↗
		Paleogene	Oligocene	Chattian	28.4 ± 0.1	↗
				Rupelian	33.9 ± 0.1	↗
			Eocene	Priabonian	37.2 ± 0.1	
				Bartonian	40.4 ± 0.2	
				Lutetian	48.6 ± 0.2	↗
				Ypresian	55.8 ± 0.2	↗
			Paleocene	Thanetian	58.7 ± 0.2	↗
				Selandian	~ 61.1	↗
				Danian	65.5 ± 0.3	↗
					70.6 ± 0.6	↗
	Mesozoic	Cretaceous	Upper	Maastrichtian	83.5 ± 0.7	
				Campanian	85.8 ± 0.7	
				Santonian	~ 88.6	
				Coniacian	93.6 ± 0.8	↗
				Turonian	99.6 ± 0.9	↗
			Lower	Cenomanian	112.0 ± 1.0	
				Albian	125.0 ± 1.0	
				Aptian	130.0 ± 1.5	
				Barremian	~ 133.9	
				Hauterivian	140.2 ± 3.0	
				Valanginian	145.5 ± 4.0	

Eonothem Eon	Erathem Era	System Period	Series Epoch	Stage Age	Age Ma	GSSP
Phanerozoic	Mesozoic	Jurassic	Upper	Tithonian	145.5 ± 4.0	
				Kimmeridgian	150.8 ± 4.0	
				Oxfordian	~ 155.6	
			Middle	Callovian	161.2 ± 4.0	
				Bathonian	164.7 ± 4.0	↗
				Bajocian	167.7 ± 3.5	↗
				Aalenian	171.6 ± 3.0	↗
					175.6 ± 2.0	↗
			Lower	Toarcian	183.0 ± 1.5	↗
				Pliensbachian	189.6 ± 1.5	↗
				Sinemurian	196.5 ± 1.0	↗
				Hettangian	199.6 ± 0.6	
	Triassic		Upper	Rhaetian	203.6 ± 1.5	
				Norian	216.5 ± 2.0	↗
				Carnian	~ 228.7	↗
			Middle	Ladinian	237.0 ± 2.0	↗
				Anisian	~ 245.9	
			Lower	Olenekian	~ 249.5	↗
				Induan	251.0 ± 0.4	↗
					253.8 ± 0.7	↗
			Lopingian	Changhsingian	260.4 ± 0.7	↗
				Wuchiapingian	265.8 ± 0.7	↗
				Capitanian	268.0 ± 0.7	↗
	Paleozoic	Permian	Guadalupian	Wordian	270.6 ± 0.7	
				Roadian	275.6 ± 0.7	
				Kungurian	284.4 ± 0.7	
			Cisuralian	Artinskian	294.6 ± 0.8	↗
				Sakmarian	299.0 ± 0.8	↗
				Asselian	303.4 ± 0.9	
				Gzhelian	307.2 ± 1.0	
		Carboniferous	Pennsylvanian	Kasimovian	311.7 ± 1.1	
				Moscovian	318.1 ± 1.3	↗
				Bashkirian	318.1 ± 1.3	↗
			Mississippian	Serpukhovian	328.3 ± 1.6	
				Visean	345.3 ± 2.1	↗
				Tournaisian	359.2 ± 2.5	↗

Eonothem Eon	Erathem Era	System Period	Series Epoch	Stage Age	Age Ma	GSSP
Phanerozoic	Paleozoic	Devonian	Upper	Famennian	359.2 ± 2.5	↗
				Frasnian	374.5 ± 2.6	↗
			Middle	Givetian	385.3 ± 2.6	↗
				Eifelian	391.8 ± 2.7	↗
				Emsian	397.5 ± 2.7	↗
			Lower	Pragian	407.0 ± 2.8	↗
				Lochkovian	411.2 ± 2.8	↗
					416.0 ± 2.8	↗
		Silurian	Pridoli		418.7 ± 2.7	↗
				Ludfordian	421.3 ± 2.6	↗
			Ludlow	Gorstian	422.9 ± 2.5	↗
				Homerian	426.2 ± 2.4	↗
			Wenlock	Sheinwoodian	428.2 ± 2.3	↗
				Telychian	436.0 ± 1.9	↗
			Llandovery	Aeronian	439.0 ± 1.8	↗
				Rhuddanian	443.7 ± 1.5	↗
	Ordovician		Upper	Hirnantian	445.6 ± 1.5	↗
				Katian	455.8 ± 1.6	↗
				Sandbian	460.9 ± 1.6	↗
			Middle	Darriwilian	468.1 ± 1.6	↗
				Dapingian	471.8 ± 1.6	↗
			Lower	Floian	478.6 ± 1.7	↗
				Tremadocian	488.3 ± 1.7	↗
			Furongian	Stage 10	~ 492 *	
				Stage 9	~ 496 *	
				Paibian	~ 499	↗
	Cambrian		Series 3	Guzhangian	~ 503	↗
				Drumian	~ 506.5	↗
				Stage 5	~ 510 *	
			Series 2	Stage 4	~ 515 *	
				Stage 3	~ 521 *	
			Terreneuvian	Stage 2	~ 528 *	
				Fortunian	542.0 ± 1.0	↗

This chart was drafted by Gabi Ogg. Intra Cambrian unit ages with * are informal, and awaiting ratified definitions.

Copyright © 2009 International Commission on Stratigraphy

Eonothem Eon	Erathem Era	System Period	Age Ma	GSSP GSSA
Precambrian	Proterozoic	Ediacaran	542	↗
			~635	↗
			850	↗
		Meso-proterozoic	1000	↗
			1200	↗
			1400	↗
	Paleo-proterozoic	Statherian	1600	↗
			1800	↗
			2050	↗
		Rhyacian	2300	↗
			2500	↗
	Archean	Neoproterozoic	2800	↗
			3200	↗
			3600	↗
	Hadean (informal)		4000	
			~4600	

Subdivisions of the global geologic record are formally defined by their lower boundary. Each unit of the Phanerozoic (~542 Ma to Present) and the base of Ediacaran are defined by a basal Global Boundary Stratotype Section and Point (GSSP), whereas Precambrian units are formally subdivided by absolute age (Global Standard Stratigraphic Age, GSSA). Details of each GSSP are posted on the ICS website (www.stratigraphy.org).

Numerical ages of the unit boundaries in the Phanerozoic are subject to revision. Some stages within the Cambrian will be formally named upon international agreement on their GSSP limits. Most sub-Series boundaries (e.g., Middle and Upper Aptian) are not formally defined.

Colors are according to the Commission for the Geological Map of the World (www.cgmw.org).

The listed numerical ages are from 'A Geologic Time Scale 2004', by F.M. Gradstein, J.G. Ogg, A.G. Smith, et al. (2004; Cambridge University Press) and 'The Concise Geologic Time Scale' by J.G. Ogg, G. Ogg and F.M. Gradstein (2008).