

Eon	Era	Period	Epoch	Informal subdivisions	GSA, 1983		Harland, 1990		USGS, 1991		Gradstein and Ogg, 1996		Pan Terra, 1998		Haq & Van Eysinga, 1998		GSA, 1999		Grant, 1999		USGS, 2001				
					min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma	max Ma	min Ma
Phanerozoic	Cenozoic	Quaternary	Holocene		0	0.01	0	0.01	0	0.01	0	0.01	0	0.01	0	0.01	0	0.01	0	0.01	0	0.01	0	0.008	
			Pleistocene	late	0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.01		0.008
		Tertiary	Pliocene	late	1.6	3.4	1.64	3.4	1.6	3.4	1.6	3.4	1.8	3.6	2.6	5.2	1.8	3.6	1.6	3.2	1.64	3.4 +/- 1.35	1.8	3.6	1.8
				early	3.4	5.3	3.4	5.2	5	5	3.6	5.3	5	5	3.6	5	3.6	5	3.6	5.3	3.4 +/- 1.35	5.2 +/- 1.5	5.3	5.3	5.3
			Miocene	late	5.3	11.2	5.2	10.4	5	10.4	5	10.4	5.3	11.2	5	11	5.3	11.2	5.2 +/- 1.5	10.4 +/- 1.5	10.4 +/- 1.5	10.4 +/- 1.5	10.4 +/- 1.5	10.4 +/- 1.5	10.4 +/- 1.5
				middle	11.2	16.6	10.4	16.3		16.3		16.3	11.2	16.4		11	16.5	11.2	16.4	10.4 +/- 1.5	16.3 +/- 1	16.3 +/- 1	16.3 +/- 1	16.3 +/- 1	16.3 +/- 1
			Oligocene	late	16.6	23.7	16.3	23.3		23.3	24	23.3	16.4	23.8		23	16.5	24	16.4	23.4	16.3 +/- 1	23.3 +/- 1	23.3 +/- 1	23.3 +/- 1	23.3 +/- 1
				early	23.7	30	23.3	29.3		29.3	24	29.3	23.8	28.5		23	24	28.5	23.4	28.5	23.3 +/- 1	29.3 +/- 1.5	29.3 +/- 1.5	29.3 +/- 1.5	29.3 +/- 1.5
			Eocene	late	30	36.6	29.3	35.4		35.4	38	35.4	28.5	33.7		34	28.5	34	28.5	33.7	29.3 +/- 1.5	35.4 +/- 1.4	35.4 +/- 1.4	35.4 +/- 1.4	35.4 +/- 1.4
				middle	36.6	40	35.4	38.6	38	38.6	38	38.6	33.7	37	34		34	37	33.7	37	35.4 +/- 1.4	38.6 +/- 1.5	38.6 +/- 1.5	38.6 +/- 1.5	38.6 +/- 1.5
	Paleocene	early	40	52	38.6	50		50		50	37	49			37	49	37	49	38.6 +/- 1.5	50 +/- 1.5	50 +/- 1.5	50 +/- 1.5	50 +/- 1.5		
		late	52	57.8	50	56.5		56.5	55	56.5	49	54.8			49	55	49	54.8	50 +/- 1.5	56.5 +/- 1.4	56.5 +/- 1.4	56.5 +/- 1.4	56.5 +/- 1.4		
		early	57.8	63.6	56.5	60.5	55	60.5	55	60.5	54.8	65	55		55	61	54.6	61	56.5 +/- 1.4	60.5 +/- 2.3	60.5 +/- 2.3	60.5 +/- 2.3	60.5 +/- 2.3		
	Mesozoic	Cretaceous	Late	66.4	97.5	65	97	66	96	65	96	65	98.9 +/- 0.6	65	90	65	99	65	99	65 +/- 2	97 +/- 2	65	65	65	
			Early	97.5	144	97	145.6	96	138	98.9 +/- 0.6	142 +/- 0.6	90	144	99	144	99	144	99	144	97 +/- 2	144.8 +/- 3.1	144.8 +/- 3.1	144.8 +/- 3.1	144.8 +/- 3.1	
		Jurassic	Late	144	163	145.6	157.1	138		142 +/- 0.6	159.4 +/- 3.6	144	159	144	160	144	159	144.8 +/- 3.1	156.6 +/- 2.3	156.6 +/- 2.3	156.6 +/- 2.3	156.6 +/- 2.3	156.6 +/- 2.3	156.6 +/- 2.3	
			Middle	163	187	157.1	178			159.4 +/- 3.6	180 +/- 4.0	159	180	160	180	180	180	156.6 +/- 2.3	178 +/- 1.5	178 +/- 1.5	178 +/- 1.5	178 +/- 1.5	178 +/- 1.5	178 +/- 1.5	
		Triassic	Early	187	208	178	208		205	180 +/- 4.0	205.7 +/- 4.0	180	206	180	205	180	206	178 +/- 1.5	199.6 +/- 0.7	199.6 +/- 0.7	199.6 +/- 0.7	199.6 +/- 0.7	199.6 +/- 0.7	199.6 +/- 0.7	
			Late	208	230	208	235	205		205.7 +/- 4.0	227.4 +/- 4.5	206	227	205	228	206	227	199.6 +/- 0.7	227.4 +/- 4.5	227.4 +/- 4.5	227.4 +/- 4.5	227.4 +/- 4.5	227.4 +/- 4.5	227.4 +/- 4.5	
			Middle	230	240	235	241.1			227.4 +/- 4.5	241.7 +/- 4.7	227	242	228	242	227	242	227.4 +/- 4.5	244 +/- 4	244 +/- 4	244 +/- 4	244 +/- 4	244 +/- 4	244 +/- 4	
		Paleozoic	Permian	Late	245	258	245	256.1	240		248.2 +/- 4.8	256	290	256	290	256	290	256	290	251 +/- 0.4	300 +/- 4	300 +/- 4	300 +/- 4	300 +/- 4	
				Early	258	286	256.1	290	290	290	256	290	256	290	256	290	256	290	256	290	300 +/- 4	300 +/- 4	300 +/- 4	300 +/- 4	
			Pennsylvanian	Late	286		290		290				290			295	304	280			300 +/- 4			286	
				Middle												304	311								
			Mississippian	Late		320		322.8		330		323		314		311	324	323			314 +/- 5			325	
				Early	320		322.8		330		323		314		311	324	323				314 +/- 5			325	
			Devonian	Late		360		362.5		360		354		354		360	377	354	372	354	355 +/- 4			360	
				Middle	360	374	362.5	377.4	360		354	370	360	377	354	372	354	370	355 +/- 4	382.5	382.5	382.5	382.5	382.5	382.5
	Silurian		Early	374	387	377.4	386		410		391	377	386	372	391	370	391	382.5		382.5			394		
			Late	387	408	386	408.5		410		391	417	386	409	391	416	391	417	394		418			410	
	Ordoician		Late	408	421	408.5	424	410		417	423	409			416	422	417	423	418		423			440	
			Early	421	438	424	439	435		423	443	439			422	442	423	442	423		443			440	
	Cambrian		Late	438	458	439	463.9	435		443	458	439			442	458	442	458	443		458			440	
			Middle	458	478	463.9	476.1			458	470				458	470	458	470	458		470			505	
			Early	478	505	476.1	510		500		470	495		500		470	495	470	491		470			505	
Late			505	523	510	517.2	500		495	505	500	517		495	505	491				495			505		
Proterozoic	Neoproterozoic, Late (Z)		523	540	517.2	536			505	518	517	520	505	518	505	518			505	518			544		
	Mesoproterozoic, Middle (Y)		540	900	570	800	570	900	545		540	1000	544	820	543	900	543.9 +/- 1.0	1000	544			544			
	Paleoproterozoic, Early (X)	900	1600	800		900	1600			1000	1600		820	1700	900	1600			1000	1600					
Archean	Neoarchean, Late (W)	1600	2500			1600	2500			1600	2500		1700	2400	1600	2500			1600	2500					
	Mesoarchean, Middle (V)	2500	3000			2500	3000			2500	3000		2400	3100	2500	3000			2500	3000					
	Paleoarchean, Early (U)	3000	3400			3000	3400			2800	3500		2800	3400	3000	3400			2800	3200					
	Eoarchean, earliest	3400	3800		3800	3400	3800			3500	4560		3400	3900	3400	3800			3200	3600					
	preArchean (Hadean or Priscoan)	3800		3800	4560	3800							3900		3800				3600	4500					

Age estimates of boundaries in mega-annum (Ma).
The Tertiary may be divided into the Neogene which includes the Pliocene and Miocene, and the Paleogene which includes the Oligocene, Eocene, and Paleocene.
Pennsylvanian and Mississippian comprise the Carboniferous.
Rocks Proterozoic and older are Precambrian. The subdivisions of Proterozoic and Archean shown on the chart are eras, not periods or epochs.
Neoarchean (W) date from Haq and Van Eysinga (1998) doesn't correlate with IUGS Precambrian subcommission dates given on the same chart. (Note overlap of Neo-Mesoarchean dates)
Pan Terra (1998) includes Hadean (3800-4560 Ma) in Early Archean.
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