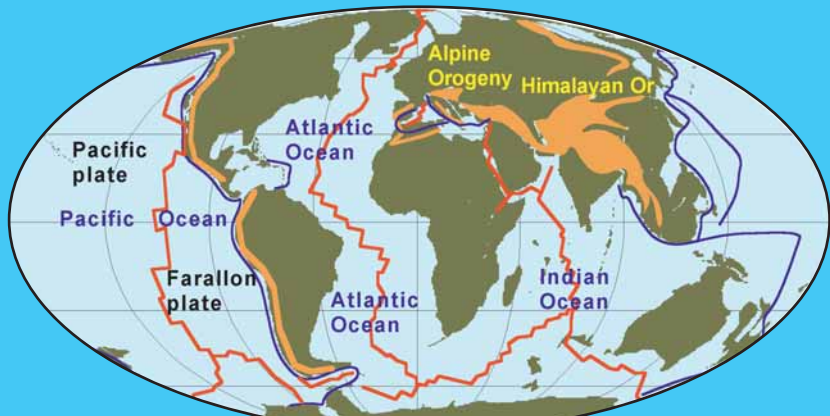


History of the Earth

Age (Ma)	Eon	Era	Period	Era	Period	Epoch	Stage	AGE (Ma)	
	Phanerozoic	Cenozoic	Neogene	Cenozoic	Quaternary*	Pleistocene	Calabrian/Gelasian	2.6	
			Paleogene		Pliocene	Zanclean	5.3		
					Neogene	Miocene	Messinian		
100		Mesozoic					Tortonian		
			Cretaceous				Serravalian		
							Ladonian		
200		Jurassic	Burdigalian						
		Triassic	Aquitanian						
		Permian	Chattian				23		
300		Paleozoic	Paleogene		Oligocene	Rupelian			
							Priabonian		
							Bartonian		
400					Eocene	Lutetian			
							Ypresian		
							Thauetian	56	
500			Carboniferous		Paleocene	L	Selandian		
			Devonian			M	Danian		
	Silurian								
	Ordovician								
	Cambrian								
600	Proterozoic	Neoproterozoic	Ediacaran	Mesozoic	Cretaceous		Maastrichtian	66	
						Campanian			
						Santonian			
						Coniacian			
700						Turonian			
			Cryogenian			Cenomanian	100		
						Early	Albian		
							Aptian		
900		Mesoproterozoic	Tonian				Barremian		
							Hauterivian		
							Valanginian		
1000							Berriasian		
1100			Stenian		Jurassic	Late	Tithonian	146	
							Kimmeridgian		
1200							Oxfordian		
			Ectasian			Middle	Callovian	161	
							Bathonian		
1300							Bajocian		
							Aalenian		
1400						Early	Toarcian	176	
							Pliensbachian		
1500			Calymnian				Sinemurian		
1600		Paleoproterozoic			Triassic		Hettangian	200	
							Rhaetian		
					Late	Norian			
1700			Statherian			Carnian			
1800					Middle	Ladinian	228		
						Anisian			
1900			Orosirian			Olenekian	245		
					Early	Induan			
2000						Changhsingian	251		
2100	Archean	Neoarchean		Permian	Lopingian	Wuchiapingian	260		
						Capitanian			
					Guadalupian	Wordian/Roadian	271		
					Cisuralian	Kungurian			
						Artinskian			
2200						Sakmarian			
						Asselian			
2300						Gzhelian	299		
						Kasimovian			
2400						Moscovian			
						Bashkirian	318		
2500		Mississippian	Serpukhovian						
2600									
2700	Mesoarchean		Carboniferous	Devonian	Late	Famennian	359		
						Frasnian			
2800					Middle	Givetian	385		
				Eifelian					
2900				Early		Emsian	398		
					Pragian				
3000					Lochkovian				
3100		Paleoarchean			Silurian		Pridoli	416	
						Ludlow	419		
						Wenlock	423		
3200									
			Llandovery	Telychian		428			
				Aeronian/Rhuddanian					
3300	Eoarchean			Ordovician		Hirnantian	444		
					Late	Katian			
						Sandbian			
3400						Darriwilian	461		
3500			Early		Floian	472			
				Tremadocian					
3600									
3700		Lower limit is not defined			Cambrian	Furongian	Stage 10		
				Stage 9					
				Paibian					
3800				Series 3		Stage 7	501		
						Drumian			
						Stage 5			
3900				Series 2		Stage 4	510		
						Stage 3			
4000				Series 1			Stage 2	521	
4100						Stage 1	542		

Paleogeographic Maps



Early Neogene



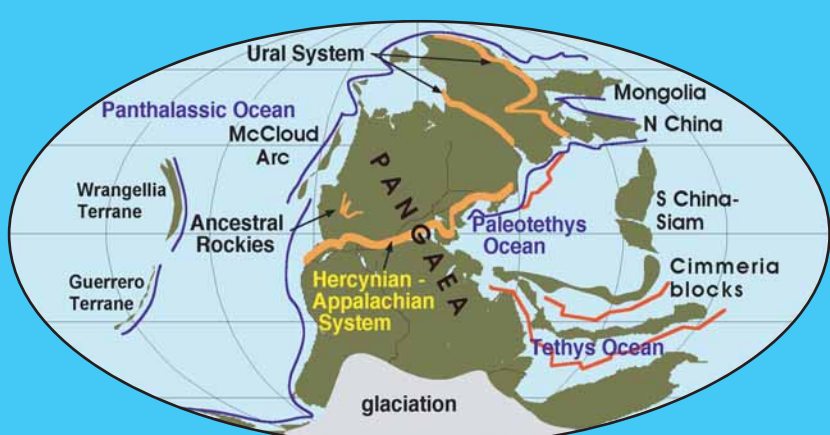
Late Cretaceous



Early Cretaceous



Late Triassic



Middle Permian



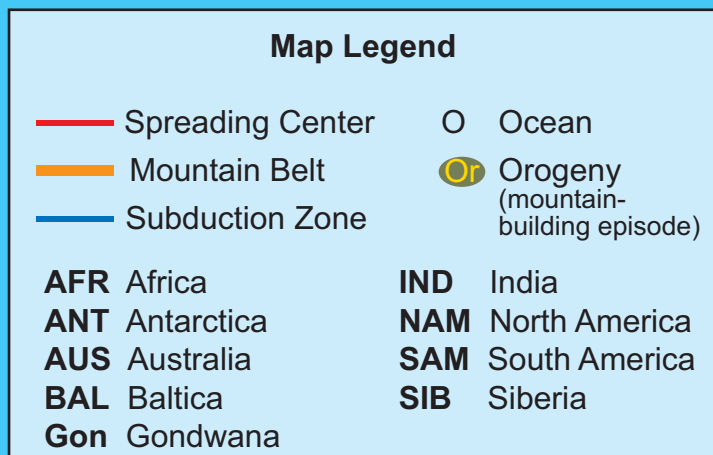
Middle Mississippian



Early Middle Devonian



Middle Ordovician



Earth History



International divisions of geologic time (eras, periods, epochs, stages) are standardized by the International Commission on Stratigraphy (ICS, www.stratigraphy.org). The color scheme of the Commission for the Geological Map of the World is shown for these divisions, and their numerical ages are from "A Geologic Time Scale 2004" (Gradstein et al., Cambridge University Press). Paleogeographic maps were provided courtesy of Ron Blakey with plate positions modified from Chris Scotese. The evolution of life is modified from John Church's painting "Tower of Time" (© Smithsonian Institution). This chart was compiled and drafted by Gabi Ogg and Bruce Wardlaw. * The status of the Quaternary is not yet decided. Its base may be assigned as the base of the Gelasian and extend the base of the Pleistocene to 2.6 Ma.

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