

	EONOTHEM/ EON	ERATHEM/ ERA	SYSTEM, SUBSYSTEM/ PERIOD, SUBPERIOD	SERIES/ EPOCH	Age estimates of boundaries in mega-annum (Ma)
PHANEROZOIC	CENOZOIC	QUATERNARY		HOLOCENE	0.012
				PLEISTOCENE	1.81
		TERTIARY	NEOGENE	PLIOCENE	5.33
				MIOCENE	23.03
					33.9
				OLIGOCENE	55.8
				EOCENE	65.5
				PALEOCENE	65.5
	MESOZOIC	CRETACEOUS		UPPER / LATE	99.6
				LOWER / EARLY	145.5
		JURASSIC		UPPER / LATE	161.2
				MIDDLE	175.6
				LOWER / EARLY	199.6
		TRIASSIC		UPPER / LATE	228.0
				MIDDLE	245.0
				LOWER / EARLY	251.0
	PALEOZOIC	PERMIAN		LOPINGIAN	260.4
				GUADALUPIAN	270.6
				CISURALIAN	299.0
		CARBONIFEROUS PENNSYLVANIAN		UPPER / LATE	306.5
				MIDDLE	311.7
				LOWER / EARLY	318.1
		MISSISSIPPIAN		UPPER / LATE	326.4
				MIDDLE	345.3
				LOWER / EARLY	359.2
		DEVONIAN		UPPER / LATE	385.3
				MIDDLE	397.5
				LOWER / EARLY	416.0
		SILURIAN		PRIDOLI	418.7
				LUDLOW	422.9
				WENLOCK	428.2
		ORDOVICIAN		LLANDOVERY	443.7
				UPPER / LATE	460.9
				MIDDLE	471.8
		CAMBRIAN		LOWER / EARLY	488.3
				FURONGIAN	501.0
				MIDDLE	513.0
				LOWER / EARLY	542.0

	EONOTHEM/ EON	ERATHEM/ ERA	SYSTEM/ PERIOD	Age estimates of boundaries in mega-annum (Ma)
PROTEROZOIC		NEOPROTEROZOIC	EDIACARAN	630
			CRYOGENIAN	850
			TONIAN	1000
		MESOPROTEROZOIC	STENIAN	1200
			ECTASIAN	1400
			CALYMMIAN	1600
		PALEOPROTEROZOIC	STATHERIAN	1800
			OROSIRIAN	2050
			RHYACIAN	2300
			SIDERIAN	2500
		ARCHEAN	NEOARCHEAN	
MESOARCHEAN			3200	
PALEOARCHEAN			3600	
EOARCHEAN			~4000	
HADIAN				

Divisions of geologic time - major chronostratigraphic and geochronologic units -- draft version for use in publications.

Please send comments to:
Randall Orndorff (rorndorf@usgs.gov).

Comments must be received by May 31, 2006.

Divisions of geologic time - major chronostratigraphic and geochronologic units. Reflects accepted and ratified unit names and age estimates from the International Commission on Stratigraphy, 2004 (www.stratigraphy.org/gssp.htm).