ГЕОХРОНОЛОГИЧЕКАЯ ШКАЛА

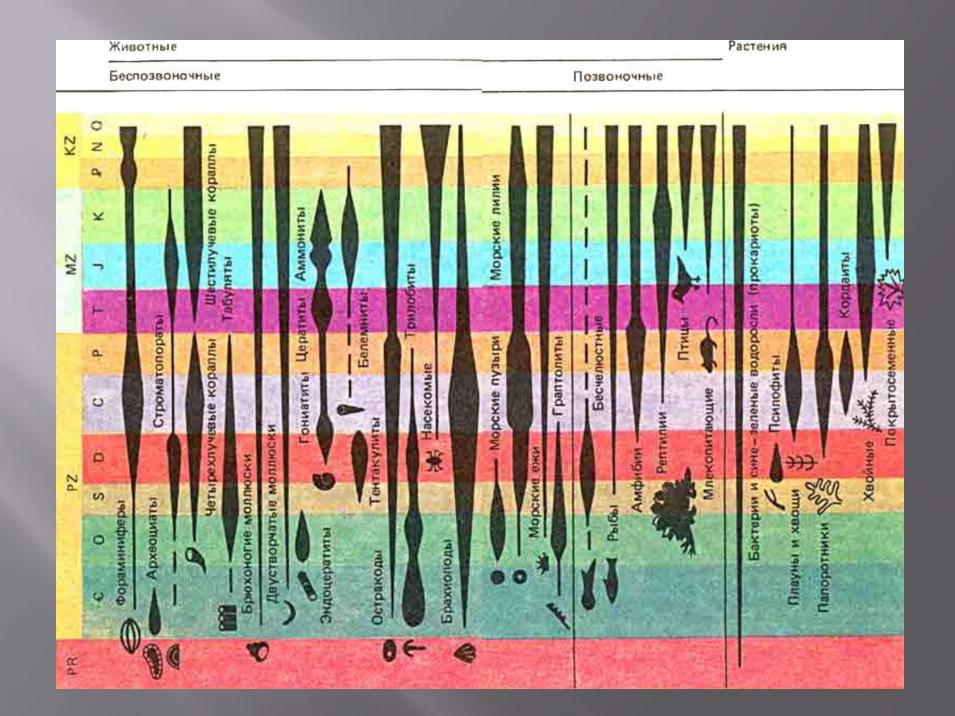
Выполнили: Татьяна Салимова Александра Чернова 2413

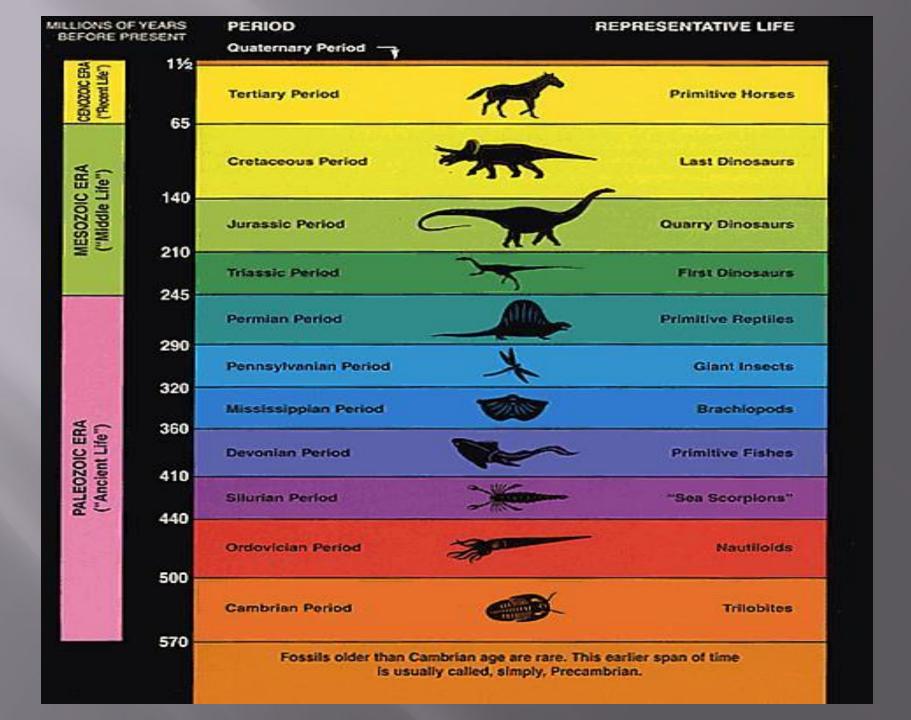
ГЕОХРОНОЛОГИЧЕСКАЯ ШКАЛА -

шкала геологического времени, отражающая в определённой последовательности и соподчинённости этапы, на которые делится геологически документированная история Земли, основанная на изучении последовательности залегания вулканических пород и осадочных отложений.

Эон	Эра	Период		
		Четвертичный		
	Кайнозой	Неоген		
Φ		Палеоген		
a	T.	Мел		
Н	Мезозой	Юра		
е		Триас		
p		Пермы		
0		Карбон		
3		Девон		
й	Палеозой	Силур		
100		Ордовик		
		Кембрий		









INTERNATIONAL STRATIGRAPHIC CHART



International Commission on Stratigraphy

			105								H	iternationa	Commi	SSIC									
Eonothem	Erathem	System	Series	Stage	Age	GSSP	Eonothem	Erathem Era	System		Epoch	Stage	Age Ma	GSSP									
		*	Holocene		0.0117	A				Upper	10	Tithonian	145.5 ±4.0										
		Jan	Pleistocene	Upper "Ionian"							Kimmeridgian	150.8 ±4.0											
		terr									Oxfordian	~ 155.6											
		Sua				Calabrian	0.781	8						Callovian	161.2 ±4.0								
				Gelasian	1.806	2.588		Jurassic	assic	and the same	Bathonian	164.7 ±4.0	A										
			Pliocene	Piacenzian	12000000					IM	idale	Bajocian	167.7 ±3.5	2									
				Zanclean	3.600 5.332	8				Aalenian	171.6 ±3.0	8											
		е		Messinian	0000000	A A A A A A A A A A A A A A A A A A A		0		Lower	Toarcian	175.6 ±2.0											
	U	len		Tortonian	7.246			eso z				Pliensbachian	183.0 ±1.5	8									
	oic		Miocene	Serravallian	11.608						Sinemurian	189.6 ±1.5	8										
N	N			Langhian	13.82						Hettangian	196.5 ±1.0											
	0 U			Burdigalian	15.97			Σ		Upper	III acc	Rhaetian	199.6 ±0.6										
	Φ			Aquitanian	20.43			e rozoic Triassic			Norian	203.6 ±1.5											
oic	O		Oligocene	Chattian	23.03				_	Carnian	216.5 ±2.0	2											
eroz				Rupelian	28.4 ±0.1		eroz		Triass	Middle	Ladinian	~ 228.7	2										
			Eocene	Priabonian	33.9 ±0.1						Anislan	237.0 ±2.0											
		ene		Bartonian	37.2 ±0.1					No. of Concession, Name of Street, or other Persons, Name of Street, or ot	Olenekian	~ 245.9											
an		Paleogene		Lutetian	40.4 ±0.2		a L			Lower		Induan	~ 249.5	8									
4				Ypresian	48.6 ±0.2 55.8 ±0.2 58.7 ±0.2		2		ermian		Changhsingian	251.0 ±0.4											
٩			Paleocene	Thanetian						Lopingian		Wuchiapingian	253.8 ±0.7	8888									
				Selandian						THE REAL PROPERTY.	Capitanian	260.4 ±0.7											
				Danian	~ 61.1					Guadalupian		Wordian	265.8 ±0.7										
				Maastrichtian	65.5 ±0.3							Roadian	268.0 ±0.7	A									
				Campanian	70.6 ±0.6	70.6 ±0.6	70.6 ±0.6	P	70.6 ±0.6	70.6 ±0.6	70.6 ±0.6	70.6 ±0.6	0	0	.6		O	er			Kungurian	270.6 ±0.7	0
Mesozoic				Santonian	83.5 ±0.7			-0				Artinskian	275.6 ±0.7	77									
					Upper	Upper	Upper	Upper	Upper	Upper	Upper	Coniacian	85.8 ±0.7			7		Cisuralian		Sakmarian	284.4 ±0.7		
	ST ST		Turonian	~ 88.6	8		60				Asselian	294.6 ±0.8	A										
	N	Cretaceous		Cenomanian	93.6 ±0.8	A						Gzhelian	299.0 ±0.8	0									
			Cretac	Albian	99,6 ±0.9				Ра	erous	Penn- sylvanian	Upper	Kasimovian	303.4 ±0.9									
	0			Aptian	112.0 ±1.0							Middle	Moscovian	307.2 ±1.0									
	Σ	0		Barremian	125.0 ±1.0						ife	sy	Lower	Bashkirian	311.7 ±1.1	2							
			Lower	Hauterivian	130.0 ±1.5				201		Upper	Serpukhovian	318.1 ±1.3	0									
					Valanginian	~ 133.9				Carbo	issig- pplan	Middle	Visean	328.3 ±1.6									
						Berriasian	140.2 ±3.0				0	Miss	Lower	Tournaisian	7.0000000000	20							
				Gernasidir	145.5 ±4.0						Lower	Numarsian	359.2 ±2.5	0									

_	_	_					
Eonothem	Erathem	System	Series Epoch	Stage	Age	GSSP	
			Upper	Famennian	359.2 ±2.5 • 374.5 ±2.6	8	
		Devonian	Opper	Frasnian			
			Middle	Givetian	385.3 ±2.6	A	
		no/		Eifelian	391.8 ±2.7	A	
		Je/		Emsian	397.5 ±2.7	3333	
		_	Lower	Pragian	407.0 ±2.8	8	
				Lochkovian	411.2 ±2.8	2	
			Pridoli		416.0 ±2.8	88	
				Ludfordian	418.7 ±2.7 421.3 ±2.6 422.9 ±2.5 426.2 ±2.4 428.2 ±2.3 436.0 ±1.9	8	
			Ludlow	Gorstian		8	
		Silurian		Homerian		2	
		ilu	Wenlock	Sheinwoodian		88	
		S	Llandovery	Telychian		8	
0	0			Aeronian		8	
0 7	-			Rhuddanian	439.0 ±1.8	2	
0	20			Hirnantian	443.7 ±1.5	88888	
0	60		Upper	Katian	445.6 ±1.5	2	
a	ale	vician		Sandbian	455.8 ±1.6	2	
	Р	Vic	MARKET AN	Damwilian	460.9 ±1.6	2	
		rdo	Middle	Dapingian	468.1 ±1.6	8	
		Ō		Floian	471.8 ±1.6	8	
			Lower	Tremadocian	478.6 ±1.7	8	
					Stage 10	488.3 ±1.7	
			Furongian	Stage 9	- 492 *		
			Turongian	Paibian	~ 496 *	^	
		-	Series 3	Guzhangian	~ 499	333	
		mbriar		Drumian	~ 503	-	
				Stage 5	~ 506.5	0	
		Car		Stage 4	~ 510 *		
			Series 2	ACCORDING TO THE PARTY OF THE P	~ 515 *		
				Stage 3	~ 521 *		
			Terreneuvian	Stage 2	~ 528 *	2	
				Fortunian	E400 . 40	100	

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

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	Eonothem	Erathem	System	Age	GSSP
		Neo- proterozoic	Ediacaran	- 542 - -635	A
			Cryogenian	850	(I)
			Tonian	1000	(J)
	oic	Meso- proterozoic	Stenian	1200 1400 1600 1800 2050 2300	(I)
	roz		Ectasian		(J)
	Proterozoio		Calymmian		(T)
6	ď	Paleo- proterozoic	Statherian		(I)
mbrian			Orosirian		T
19			Rhyacian		(I)
E			Siderian	2500	(1)
Preca	Archean	Neoarchean		2800	(1)
		Mesoarchean		3200	(F)
		Paleoarchean	130		
		Eoarchean	FA BK	3600	0
	1	Hadean (ir	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 Standard 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).

^{*} Definition of the Quaternary and revision of the Pleistocene are under discussion. Base of the Pleistocene is at 1.81 Ma (base of Calabrian), but may be extended to 2.59 Ma (base of Gelasian). The historic "Tertiary" comprises the Paleogene and Neogene, and has no official rank.