

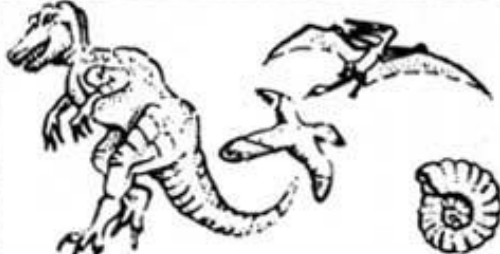
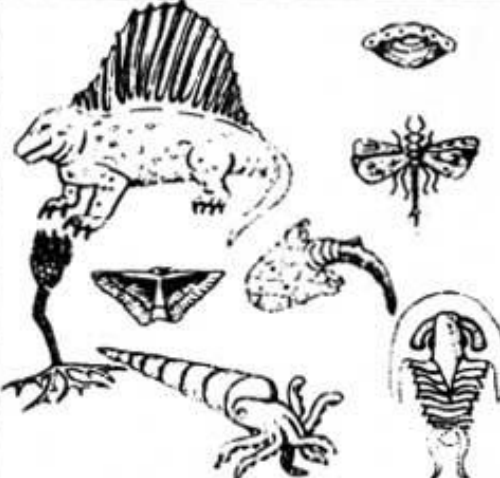



ERA	PERIOD	EPOCH	AGE (Millions of Years Ago)	SUCCESSION OF LIFE	TYPICAL LIFE FORMS	MAJOR GEOLOGIC EVENTS	GEOLOGIC RECORD BIG BEND REGION
CENOZOIC "Age of Mammals"	Quaternary	Pleistocene	1		Man Woolly mammoth	World-wide glaciation	Alluvium Intermontane basin and terrace deposits
	Tertiary	Pliocene Miocene Oligocene Eocene Paleocene	12 25 36 60 63		Saber-tooth cat Horses Primitive mammals	Alps, Himalayas, Cascade ranges formed	Repeated epochs of uplift. Intrusive and extrusive igneous activity. Continental deposits with mammal bones and teeth.
MESOZOIC "Age of Reptiles"	Cretaceous	Upper	135		Dinosaurs First flowering plants	Rocky Mountains formed	Folds, thrust faults, and general uplift at end of period. Marine and non-marine deposition.
		Lower					
	Jurassic		181		First birds	Sierra Nevada Mountains formed	Prolonged period of erosion during which Paleozoic rocks were exposed in Marathon Basin, Solitario, and Persimmon Gap
Triassic		230	Ammonoids				
PALEOZOIC "Age of Invertebrates"	Permian		280		Reptiles	Appalachian Mountains formed	Folds, thrust faults in Ouachita System trough
	Pennsylvanian		310		Insects Coal forests Amphibians		Sandstone, shale and novaculite deposited. Uplift in Marathon Basin began.
	Mississippian		345		Brachiopods Fish		Novaculite, chert, and shale deposited in late part. Early record not clear.
	Devonian		405		Crinoids		No record
	Silurian		425		Nautiloids		Chert, shale, and limestone deposited. Many marine shellfish.
	Ordovician		500		Trilobites		Sandstone, shale, and limestone deposited in late part. No early record.
Cambrian		600					
PRECAMBRIAN ERAS			3,000		Algae Worm tubes Indirect evidence of life		No record
PROTEROZOIC ERA							
ARCHEOZOIC ERA							

Approximate age of the earth more than 3 billion 300 million years