

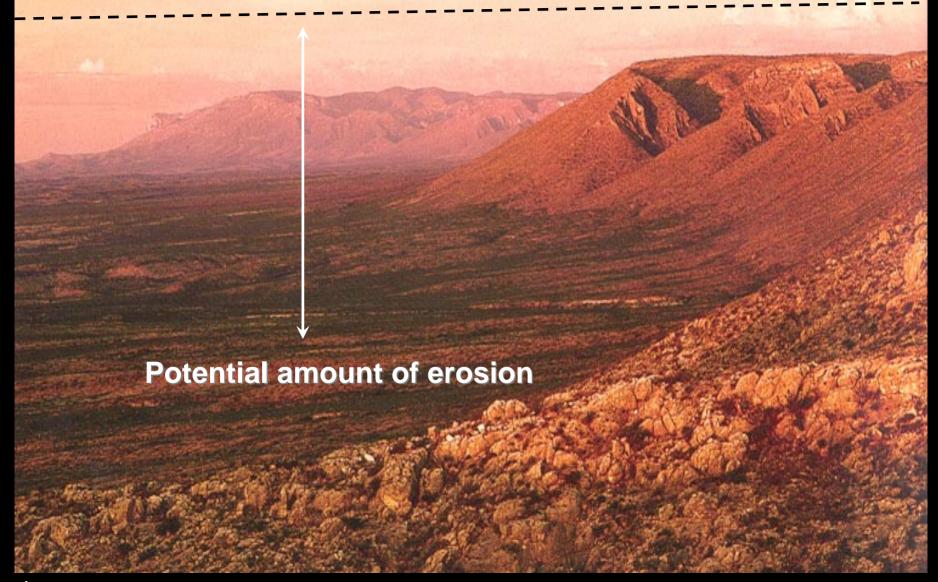
Photo courtesy of T. Firkins' "Geology 101" Interpretive program



Photo courtesy of T. Firkins' "Geology 101" Interpretive program

Hypothetical sea level during the Permian Shelf Basin

Hypothetical level of sediment deposition since the Permian



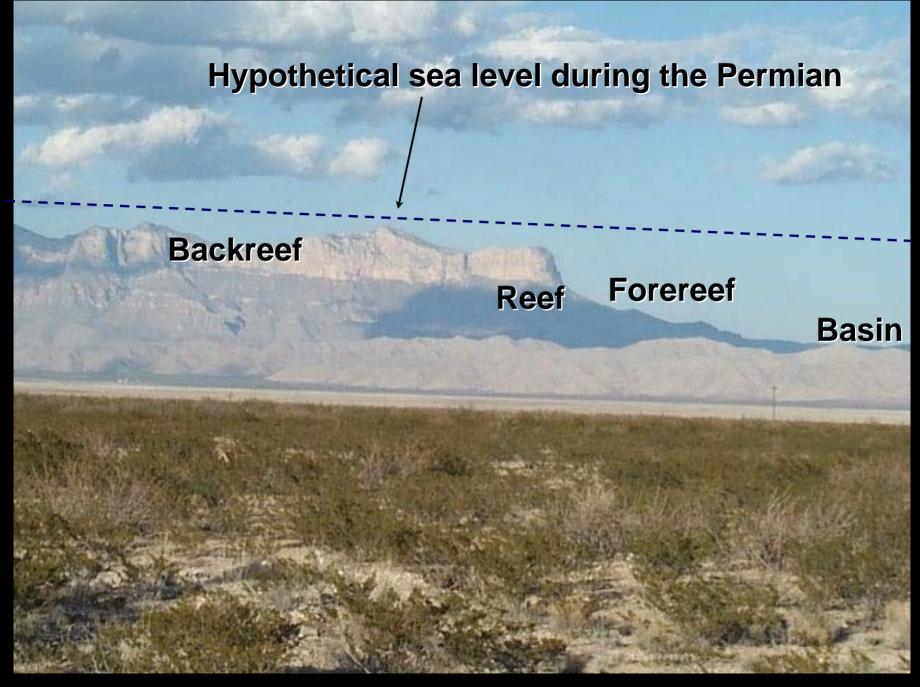


Photo courtesy of T. Firkins' "Geology 101" Interpretive program

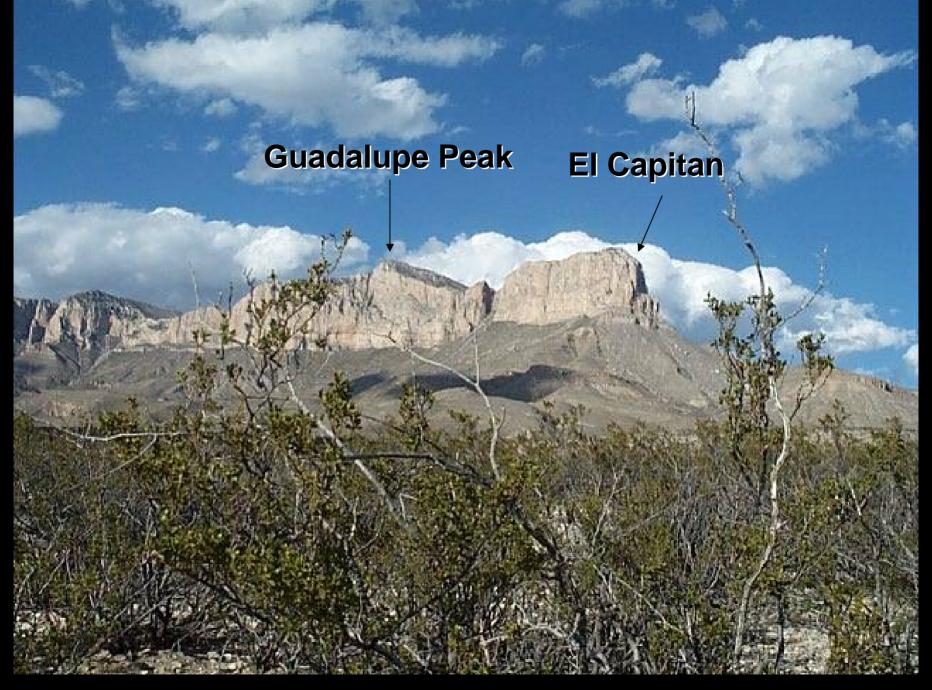


Photo courtesy of T. Firkins' "Geology 101" Interpretive program

of NASA Johnson Space Center's

Earth From

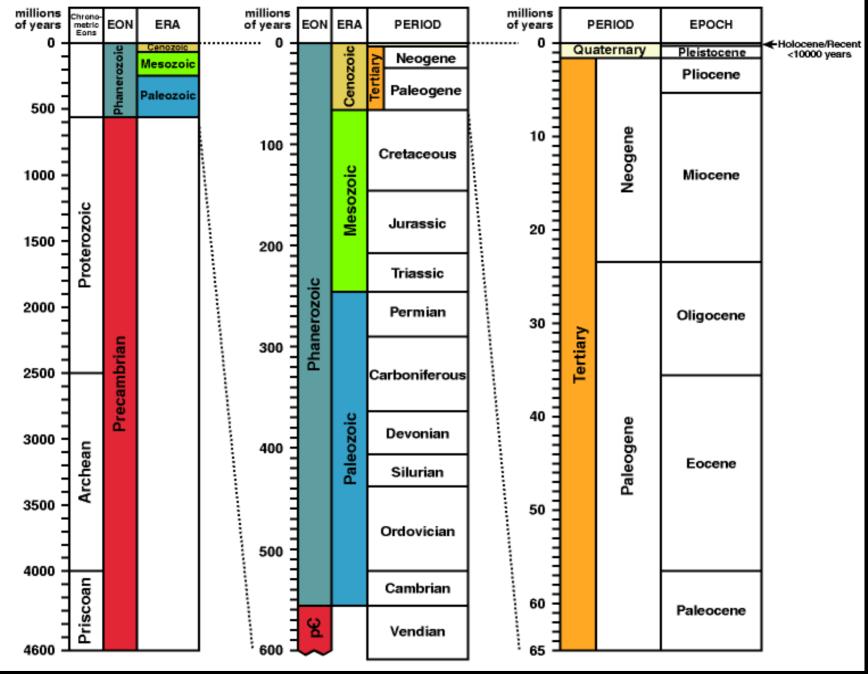


Chart from University of Calgary Geology & Geophysics website http://www.geo.ucalgary.ca/~macrae/timescale/timescale.html

					TIME SPAN		
501				-	(million		
EON	ERA			EPOCH Holocene	years)	AGE of	Humana
				Holocene			Humans
		Quaternary		Pleistocene	0.0		Mammals develop and become dominant
				Pliocene	0-2 2-5		become dominant
			Negarana	Miocene	5-24		
			Neogene	Oligocene	24-37		
				Eocene	37-58		
				Locelle	37-38		Extinction of dinosaurs
							(beginning of
	Cenozoic	Tertiary	Paleogene	Paleocene	58-66	Mammals	Paleocene)
	JGI IOZOIC	raleogene raleocene			33 03	Mariniais	Flowering plants,
		Cretaceous Jurassic Triassic Permian			66-144	Reptiles	height of dinosaurs
							1st birds/mammals,
					144-208		abundant dinosaurs
	Mesozoic				208-245		First Dinosaurs
							End of trilobites &
					245-286		other marine animals
							Abundant insects, first
		Carbon-	Pennsylvani		286-320		reptiles
		iferous Mississippia Devonian Silurian Ordovician		an	320-360	Amphibians	Large primitive trees
					360-408		First amphibians
					408-438	Fishes	First land plant fossils
					438-505		First Fish
	5					Marine	1st shelled organisms,
Phanerozoic	Paleozoic	Cambrian			505-570	Invertebrates	
Drotorzojo					570 0 500		First Multicelled
Proterzoic					570-2,500		organisms
Archean					2 500 2 800		First single-celled organisms
Aichean					2,500-3,800		Approx age of oldest
Hadean	Also known as Precambrian				2 900 4 600		rocks (3800)
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	Chart from California State Biological Sciences website:						

Chart from California State Biological Sciences website http://arnica.csustan.edu/common/geologic_time.htm

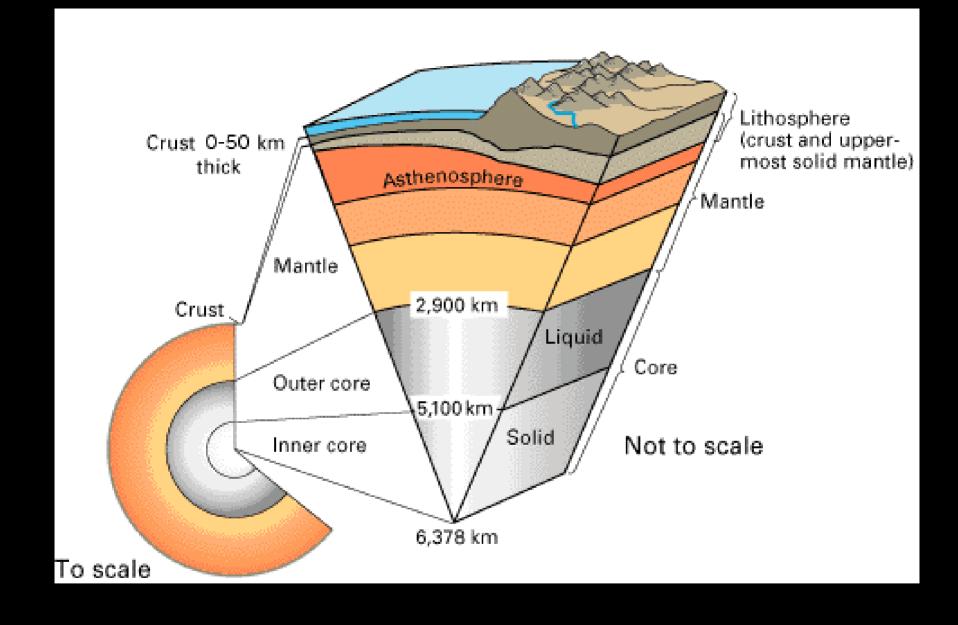
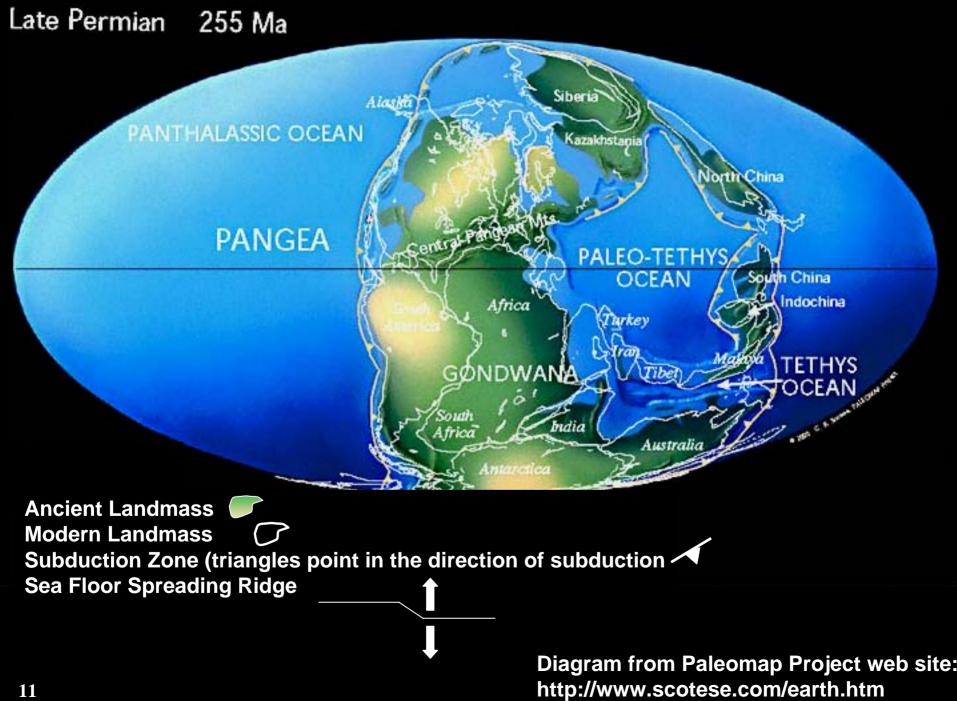
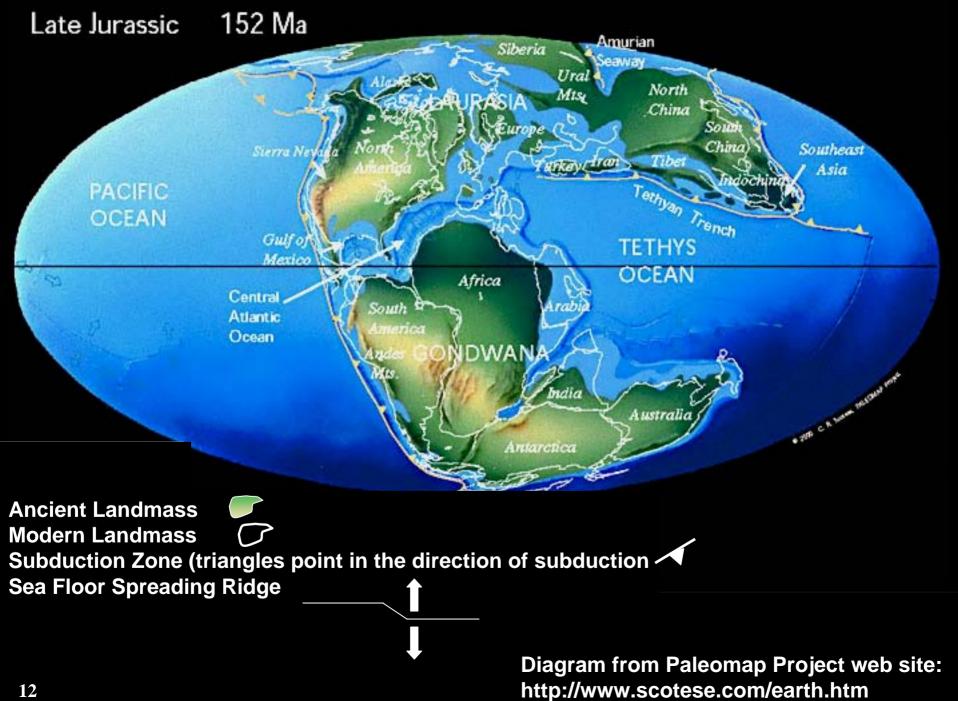
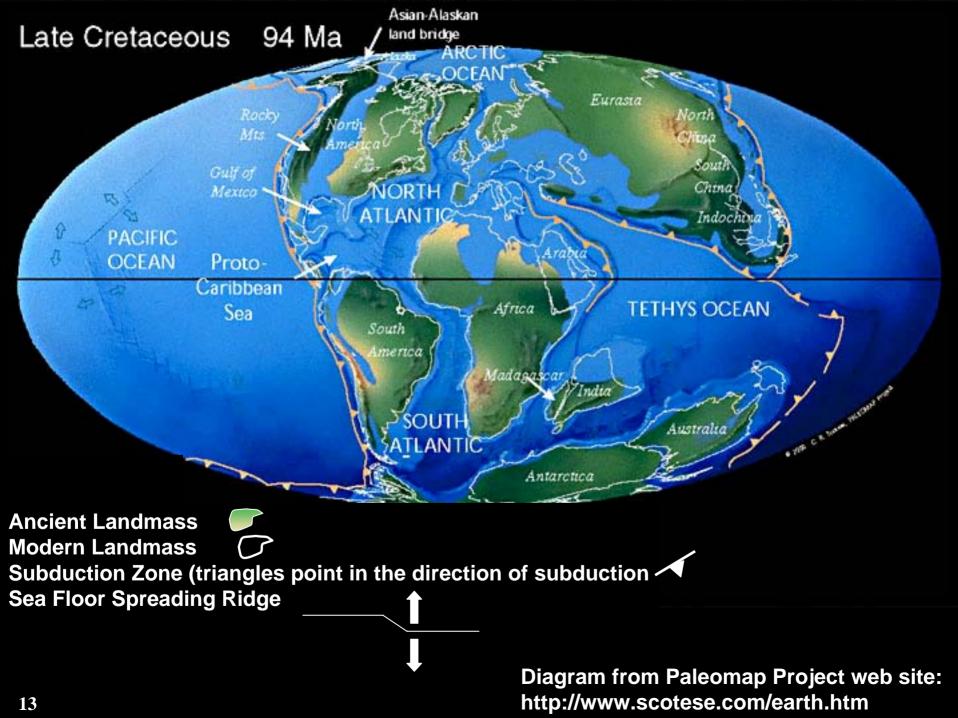
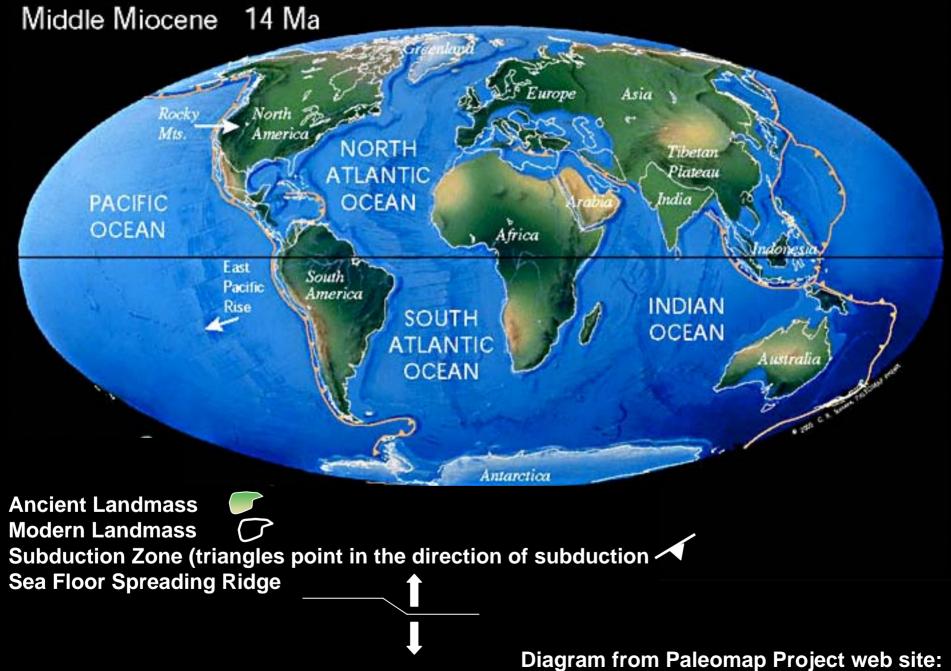


Diagram from the San Jose State University, Department of Geology website: http://geosun.sjsu.edu/105d/exped7/5.html



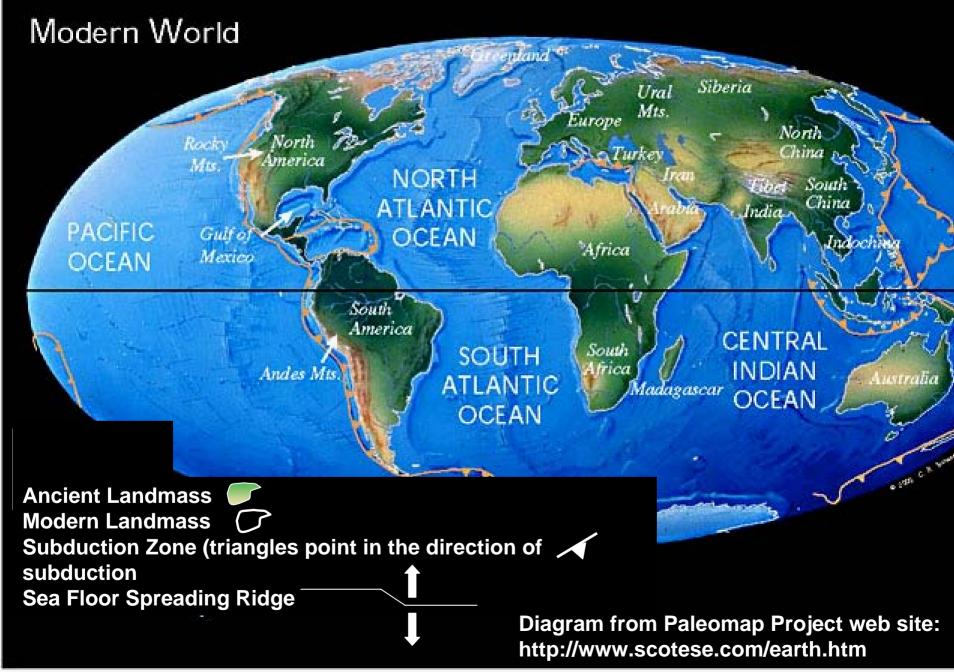






Last Glacial Maximum 18,000 years ago Nonh Rocky America South ATLANTIC OCEAN PACIFIC Gulf of Africa Mexico **OCEAN** CENTRA South America INDIAN SOUTH South ATLANTIC **OCEAN** frica Andes Mts ustralia Madagascar **OCEAN** Antarctica **Ancient Landmass Modern Landmass** Subduction Zone (triangles point in the direction of subduction **Sea Floor Spreading Ridge**

Diagram from Paleomap Project web site: http://www.scotese.com/earth.htm



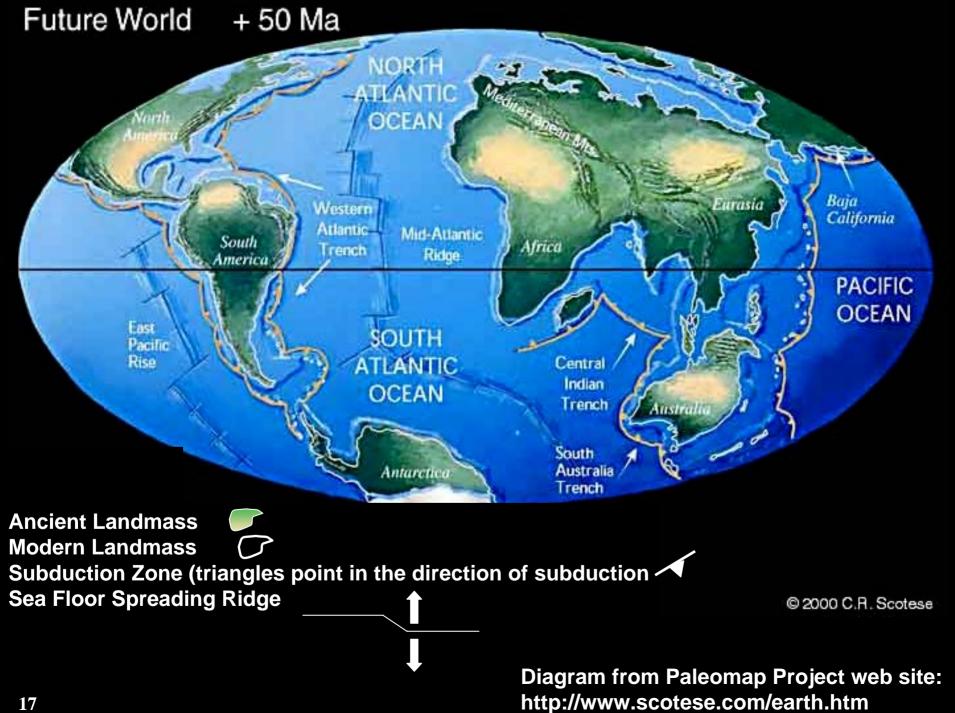




Diagram from Paleomap Project web site: http://www.scotese.com/earth.htm

Delaware Basin Stratigraphy

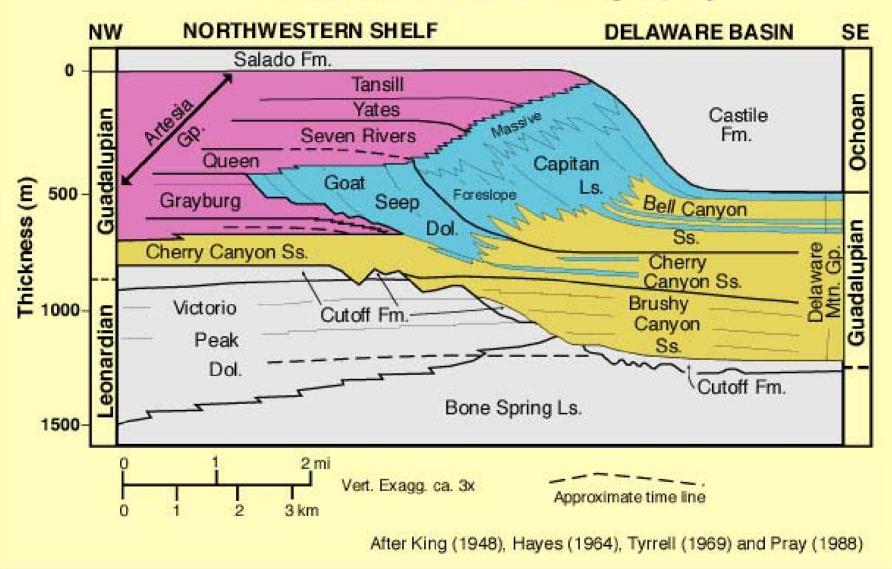


Image from P. Schole at New Mexico School of Technology: http://geoinfo.nmt.edu/staff/scholle/guadalupe.html

