Earliest Deposits
of Cordillern geosyncline
Passive Margin

Antler Orogeny
Roberts Mtn Thrust and Alocthon

Sonoma Orogeny
Golconda Thrust and Alocthon

Sevier Orogeny
Sevier Thrust Belt
Luning-Fencemaker Thrust

Laramide Orogeny

PLATE TECTONICS
Initiation of San Andreas
Duration of San Andreas
Inititiation of Slab Gap
Duration of Slab Gap

Period of most rapid subduction
model - not observation
Change from steep to flat slab

B&R Volcanism
Primarily Andesitic
Basaltic Magmatism
Primarily interior
Perimeter of B&R

Northern Nevada Rift

Great Basin / Basin & Range
(inception - duration)
Core Complexes-Low Angle flting
Ruby Mtns
Snake Range

Great Basin / Basin & Range
(inception - duration)
high-angle normal faulting
Pine Forest Range
East Range
Wasatch

Sierra Nevada
Inception of uplift
and 'Nevada Plano'
Age of Batholith
EasternEscarpment Faulting
Northern (near Reno)
Southern

Walker Lane (inception/pulses)
(extension)
Death Valley / Black Mtns
White-Inyos
Panamint-Saline Valleys
Wassuks
Singatse Range
Pine Nuts
Carson Range
Strike-Slip

Mojave
Strike-Slip Inception
Normal - duration-cessation
B&R and Sierra Glaciations
Pluvial Lakes - duration/highstand
Glaciations - duration

540 Cambrian
490 Orodovician
440 Silurian
417 Devonian
350 Mississippian
323 Pennsylvanian
290 Permian
248 Triassic
206 Jurassic
144 Cretaceous
65 Paleocene
54.8 Eocene
33.7 Oligocene
23.7 Miocene
5.3 Pliocene
1.8 Pleistocene
200k
100k
20k
10K
Holocene

PALEOZOIC MESOZOIC CENEOZOIC