23,030,000 Years Ago

65,500,000 Years Ago

Paleogene (43)

Nevada's large Carlin-Type gold deposits

Primates

318,100,000 Years Ago

359,200,000 Years Ago

Mississippian (37)

443,700,000 Years Ago

Mass Extinction

1st Plants/insects on land

488,300,000 Years Ago

Ordovician (34)

65,500,000 Years Ago

Average Temp: 72°F

K-T Boundary/Mass Extinction

Earliest Placental

Cretaceous (42)

Earliest Marsupial

145,500,000 Years Ago

251,000,000 Years Ago

Largest Extinction Ever!! 300,000,000 Set-back

Mammal-like Reptile Pelycosaur

Permian (39)

Primitive Reptile Seymouria

299,000,000 Years Ago

416,000,000 Years Ago

Average Temp: 63°F

Silurian (35)

443,700,000 Years Ago

199,600,000 Years Ago

Average Temp: 72°F

Triassic (40)

1 day rotation = 23 hours

251,000,000 Years Ago

145,500,000 Years Ago

Average Temp: 64°F

Jurassic (41)

Diplodocus

Apatosaurus

Anurognathus

Archaeopteryx

Stegosaurus

Sierra Nevada's &Nevada's Copper-Molybdenum Deposits

199,600,000 Years Ago

2,588,000 Years Ago

23,030,000 Years Ago

Neogene (44)

Nevada's gold/silver/diatomite deposits

Average Temp: 55°F

Quaternary

488,300,000 Years Ago

Average Temp: 72°F

Cambrian (33)

Eldonia (jellyfish)

Leanchoilia (arthropod)

Sponge

Trilobites (arthropods)

Tuzoia (arthropod)

Chase Studios

542,000,000 Years Ago

Opabinia

359,200,000 Years Ago

Average Temp: 74°F

Mass Extinction

1 day rotation = 21 hours 1 year = 410 days

Devonian (36)

416,000,000 Years Ago

Tiktaalik

299,000,000 Years Ago

318,100,000 Years Ago

Average Temp: 55°F

Pennsylvanian (38)

Anapsid skull

Synapsid skull

Diapsid skull

542,000,000 Years Ago

Multicellular Organisms

Neoproterozoic (32)

655,000,000 Years Ago

Neoproterozoic (31)

770,000,000 Years Ago

Northern Cordilleran Volcanic Province

lava flow

lava conduit

continental crust

fault

mantle

770,000,000 Years Ago

Neoproterozoic (30)

Stemmed Fungi

885,000,000 Years Ago

885,000,000 Years Ago

1 day rotation = 18 Hours

Neoproterozoic (29)

1,000,000,000 Years Ago

Mesoproterozoic (28)

Rodinia

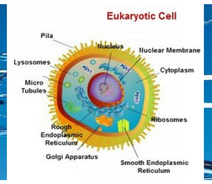
1,120,000,000 Years Ago

1,120,000,000 Years Ago

Mesoproterozoic (27)

1,240,000,000 Years Ago

1,600,000,000 Years Ago



Paleoproterozoic (23)



1,732,000,000 Years Ago

1,732,000,000 Years Ago



Paleoproterozoic (22)



1,860,000,000 Years Ago

1,860,000,000 Years Ago

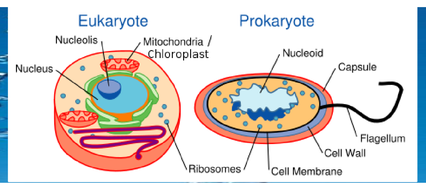


Paleoproterozoic (21)

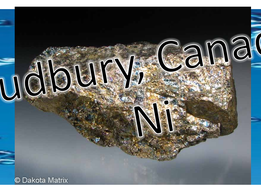
Extinction of Anaerobic Bacteria

1,988,000,000 Years Ago

1,988,000,000 Years Ago

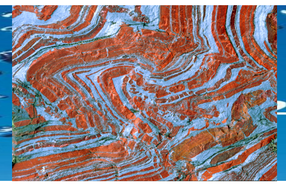


Paleoproterozoic (20)



2,116,000,000 Years Ago

2,116,000,000 Years Ago



Paleoproterozoic (19)

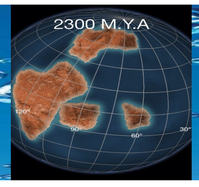
Extinction of Anaerobic Bacteria

2,244,000,000 Years Ago

2,244,000,000 Years Ago

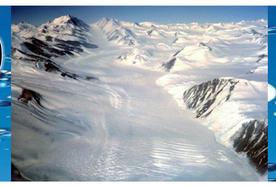


Paleoproterozoic (18)

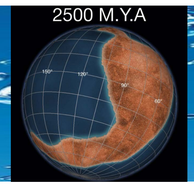


2,372,000,000 Years Ago

2,372,000,000 Years Ago

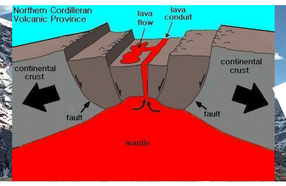


Paleoproterozoic (17)



2,500,000,000 Years Ago

1,240,000,000 Years Ago



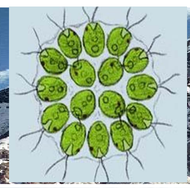
Break up of Columbia

Mesoproterozoic (26)

1,360,000,000 Years Ago

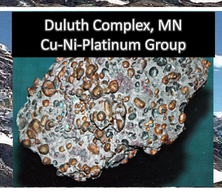
1,360,000,000 Years Ago

Mesoproterozoic (25)



1,480,000,000 Years Ago

1,480,000,000 Years Ago

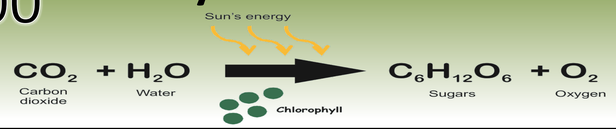


Mesoproterozoic (24)

1,600,000,000 Years Ago

2,500,000,000 Years Ago

Photosynthesis!!!



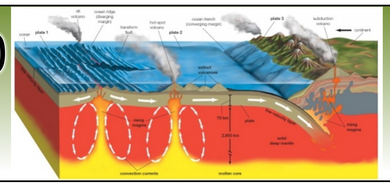
Neoarchean (16)

Mafic-Basalt

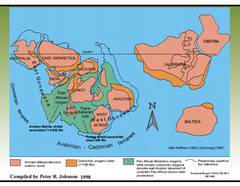


2,600,000,000 Years Ago

2,650,000,000 Years Ago



Neoarchean (15)



2,800,000,000 Years Ago

2,800,000,000 Years Ago



Mesoarchean (14)

Stillwater, MT
Chromium-Palladium



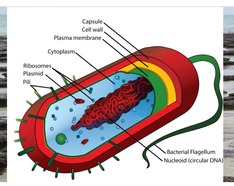
3,200,000,000 Years Ago

2,800,000,000 Years Ago



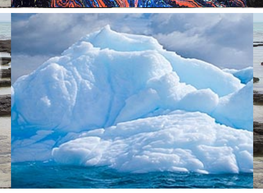
1 day rotation = 15 Hours

Mesoarchean (13)

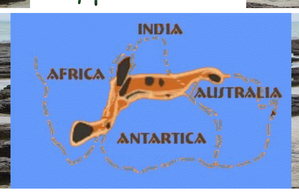


3,200,000,000 Years Ago

3,200,000,000 Years Ago



Mesoarchean (12)



3,200,000,000 Years Ago

3,200,000,000 Years Ago

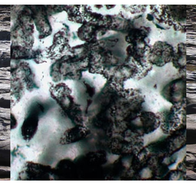


Paleoarchean (11)

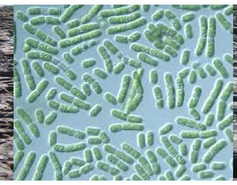


3,334,000,000 Years Ago

3,334,000,000 Years Ago



Paleoarchean (10)

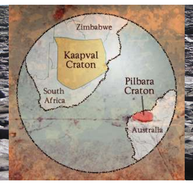


3,467,000,000 Years Ago

3,467,000,000 Years Ago



Paleoarchean (9)



3,600,000,000 Years Ago

3,600,000,000 Years Ago

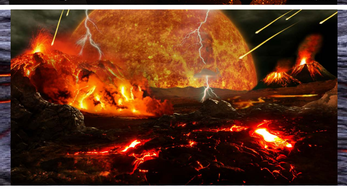


Eoarchean (8)

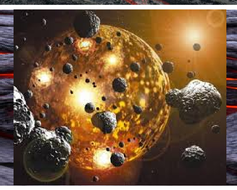


3,733,000,000 Years Ago

3,733,000,000 Years Ago



Eoarchean (7)



3,866,000,000 Years Ago

3,866,000,000 Years Ago



Eoarchean (6)



4,000,000,000 Years Ago

4,000,000,000 Years Ago



Hadean (5)

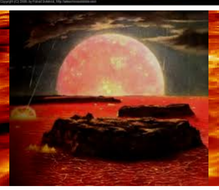


4,120,000,000 Years Ago

4,120,000,000 Years Ago



Hadean (4)



4,240,000,000 Years Ago

4,240,000,000 Years Ago



Hadean (3)



4,360,000,000 Years Ago

4,360,000,000 Years Ago



Hadean (2)



4,480,000,000 Years Ago

4,480,000,000 Years Ago



Hadean (1)



4,600,000,000 Years Ago