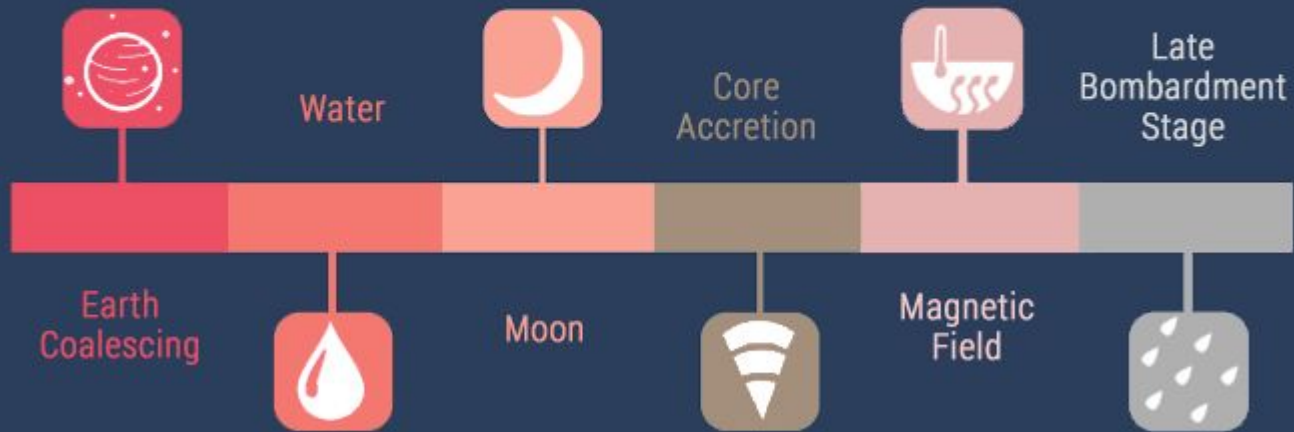


Precambrian Earth

Ms. Larsh

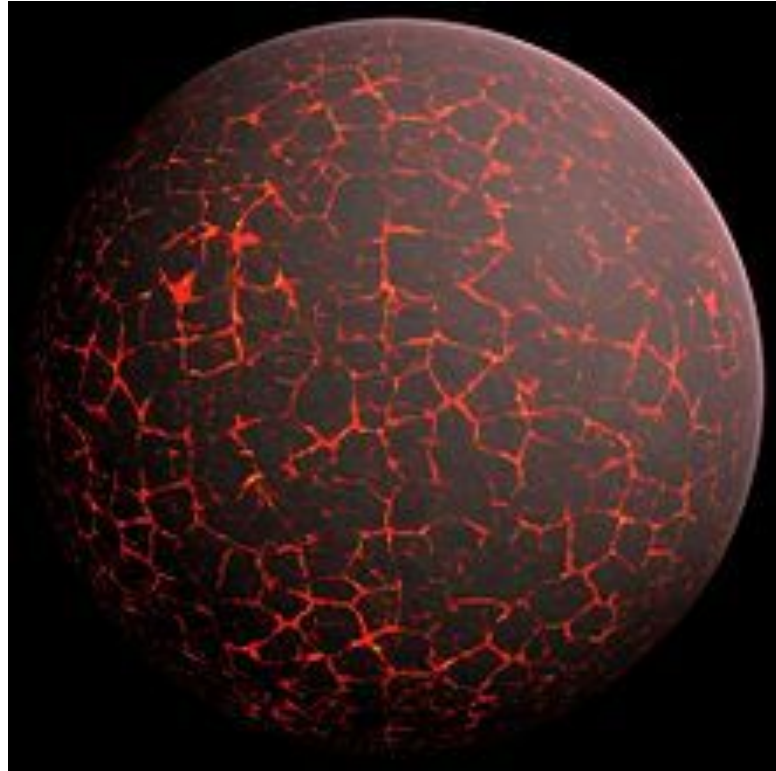
HADEAN EON

4.6 to 4.0 billion years ago



Hadean Eon

- Earth's Mass & Gravity Increasing



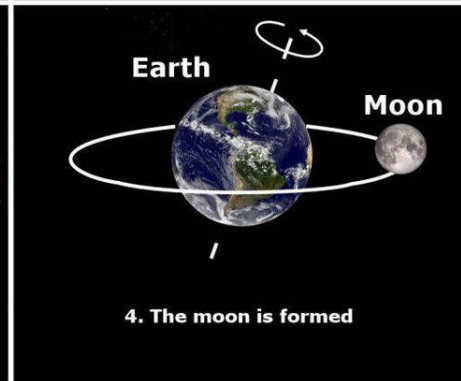
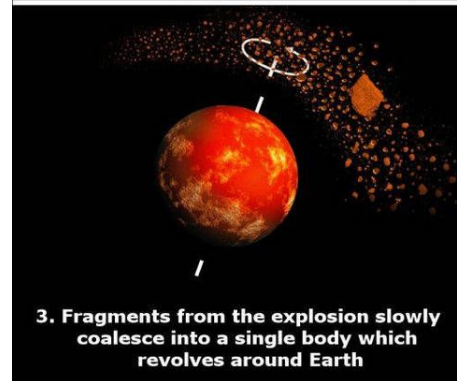
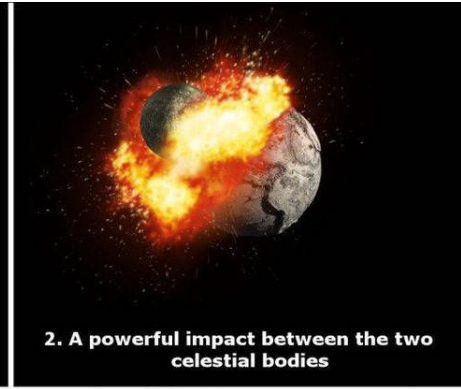
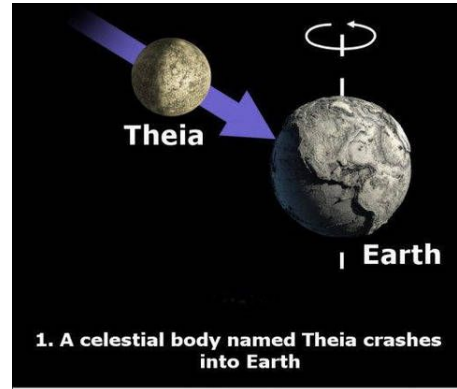
Hadean Eon

- Sources of Heat:
 - Gravitational Contraction
 - Radioactivity
 - Bombardment



Hadean Eon

- “Theia” Collides with Earth



Hadean Eon

- Earth has a Moon



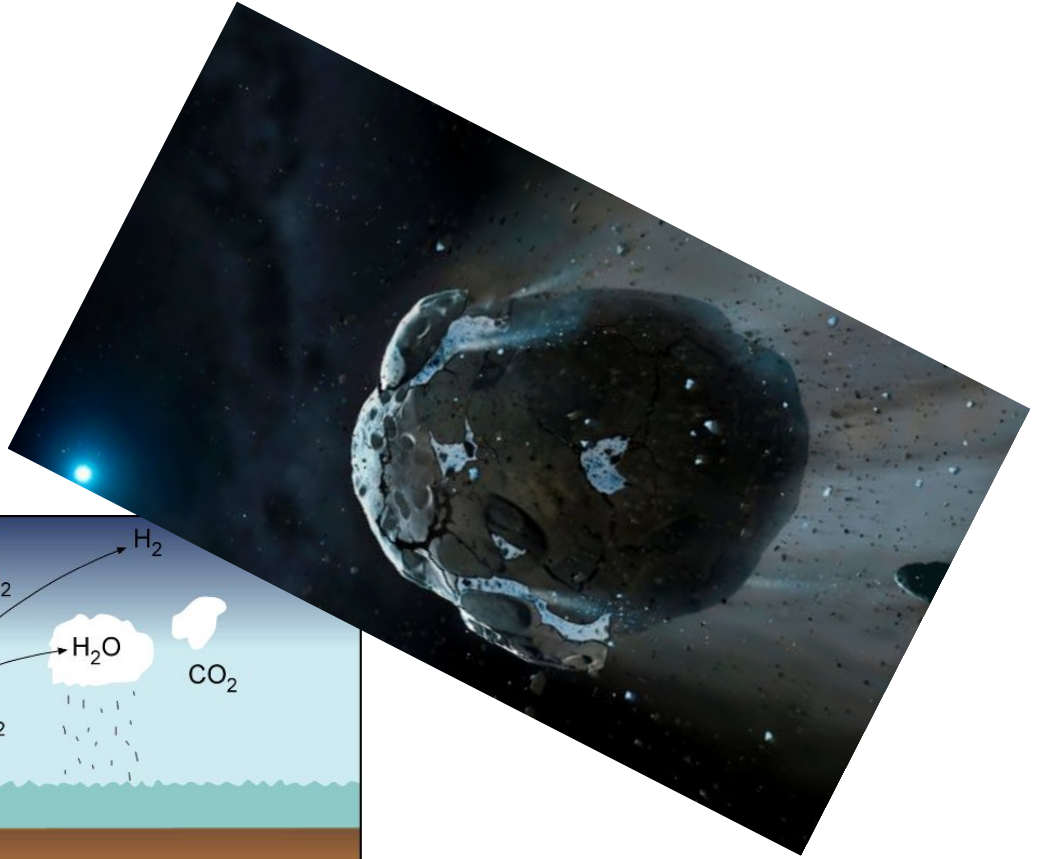
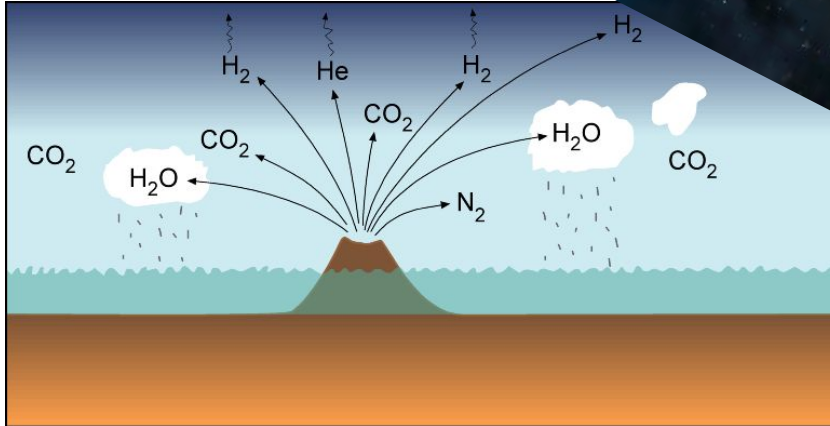
Hadean Eon

- “The Great Bombardment”



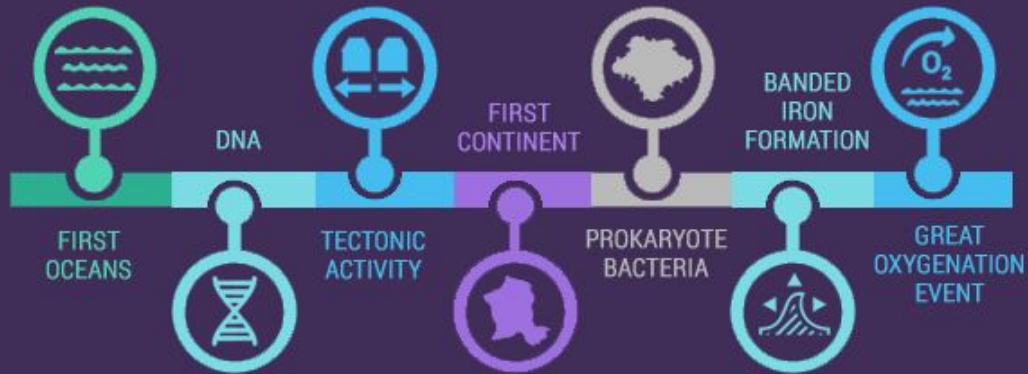
Hadean Eon

- Water on Earth



ARCHEAN EON

4.0 to 2.5 billion years ago



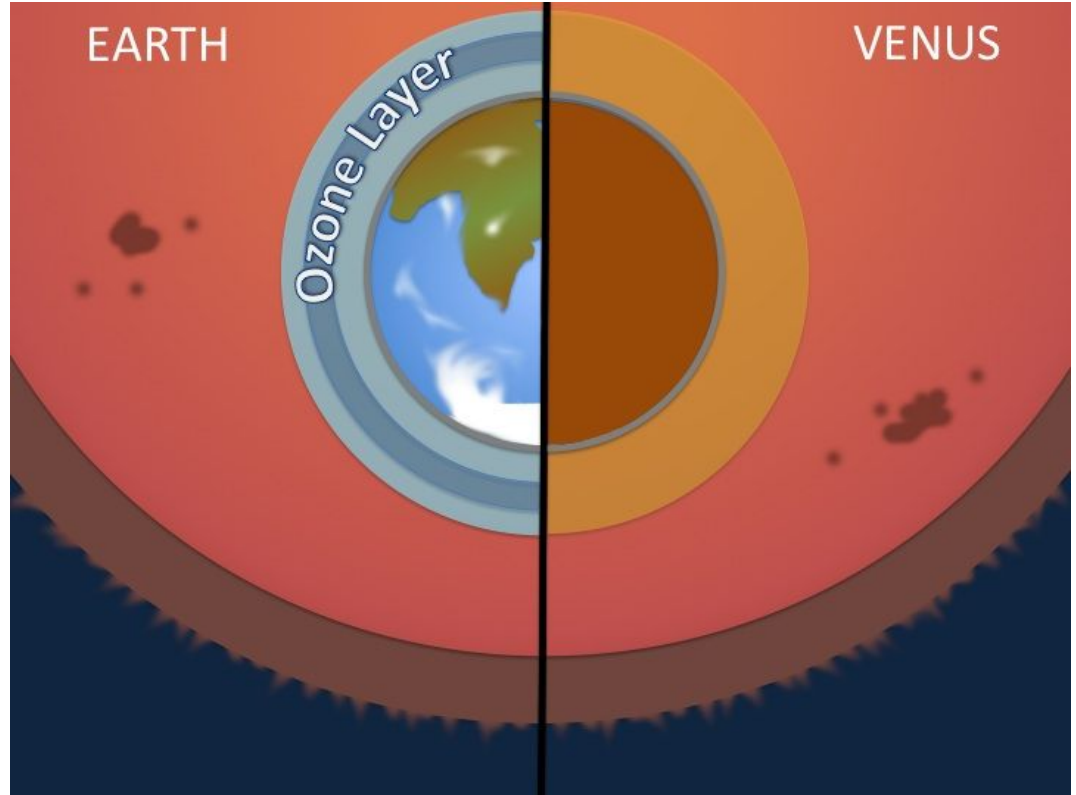
Archean Eon

- Earth covered in water



Archean Eon

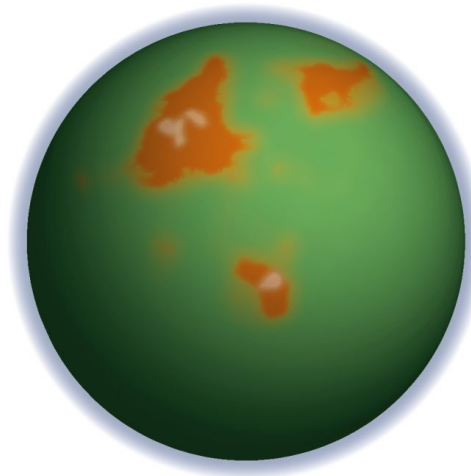
- Atmosphere cannot prevent harmful radiation



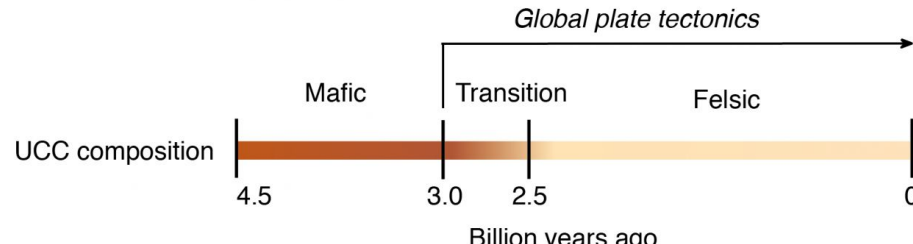
Archean Eon

- Earth's first continents "micro continents"

Early Archean

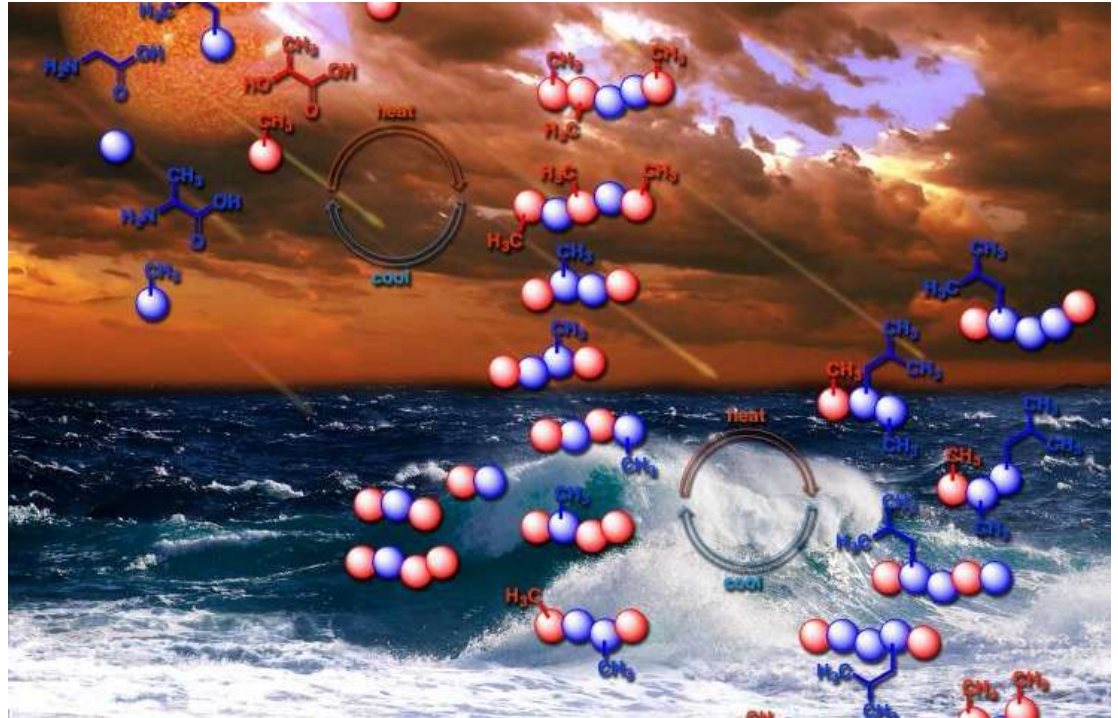


Present day



Archean Eon

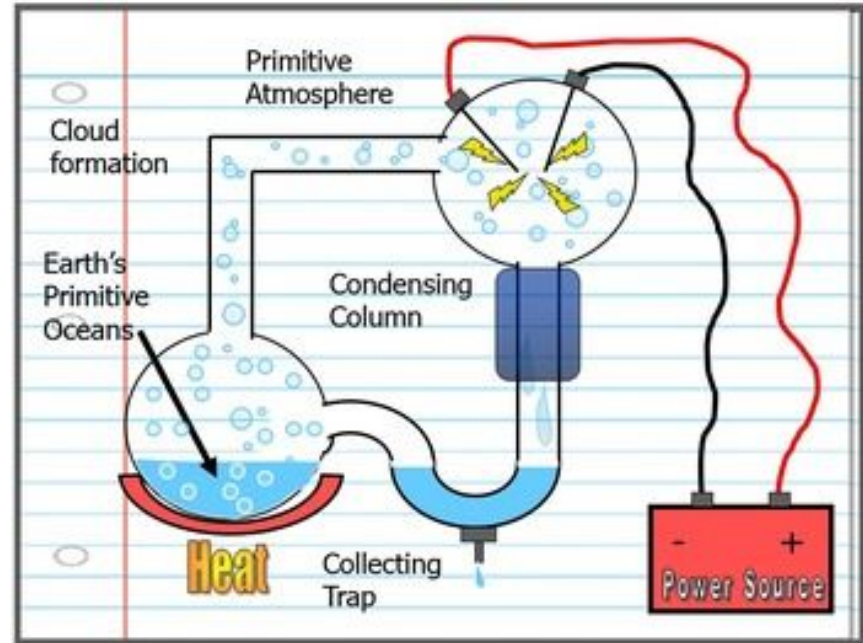
- Primordial Soup



Archean Eon

- Miller Urey Experiment

Methane+ ammonia+
hydrogen+ sparks = life



Archean Eon

- Archaeobacteria

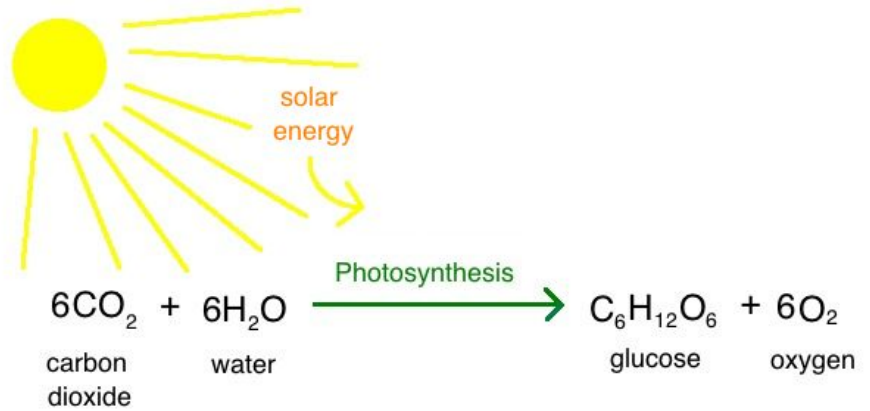


- Cyanobacteria



Archean Eon

- Cyanobacteria can Photosynthesis!

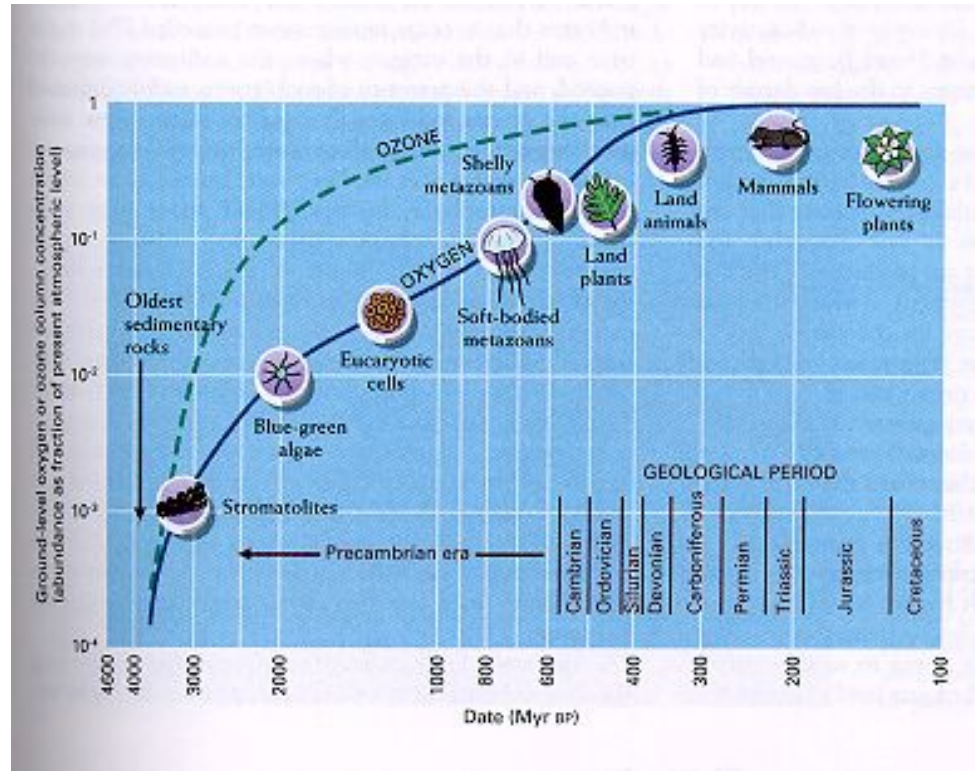


- Stromatolites



Archean Eon

- “The Great Oxygenation Event”



PROTEROZOIC EON

2500 to 541 million years ago



OXYGEN
CRISIS



FIRST
EUKARYOTES



SNOWBALL
EARTH



MULTICELLULAR
LIFE

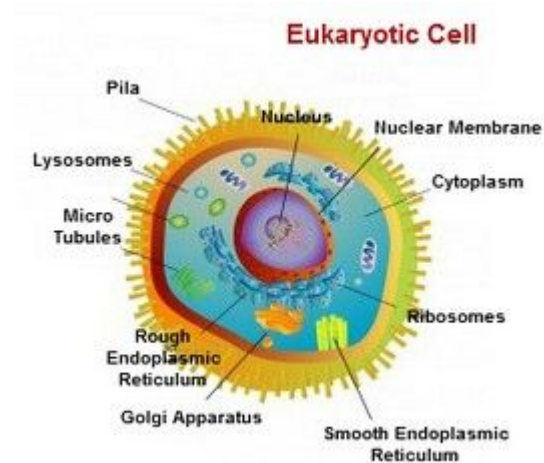


OZONE
STABILIZATION

Proterozoic Eon

- First Eukaryotic Cells

They have a Nucleus!



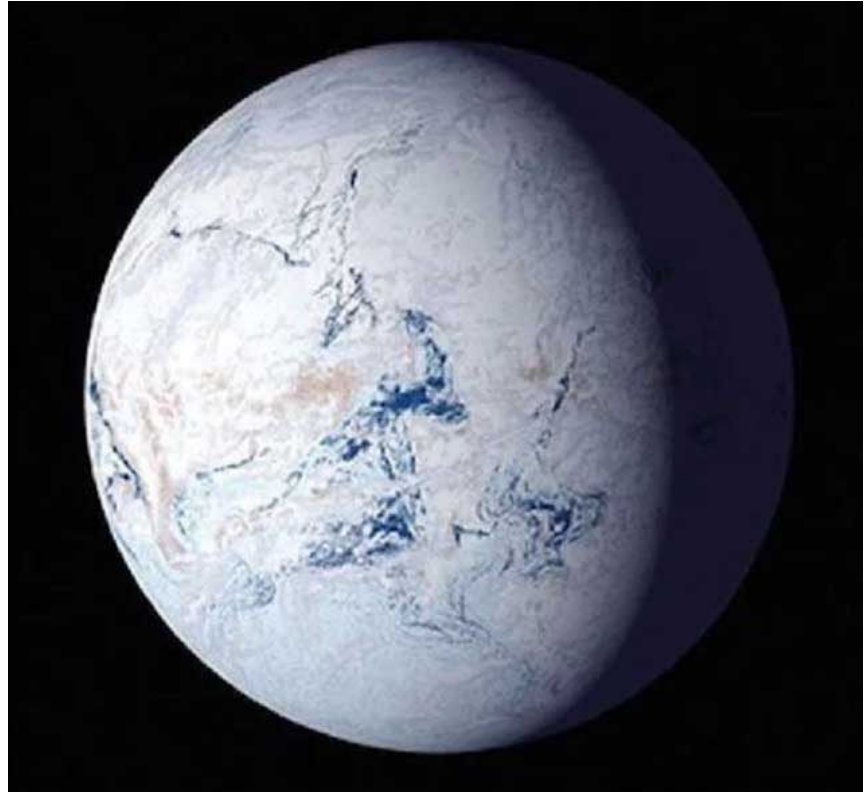
Proterozoic Eon

- First supercontinent “Rodinia”



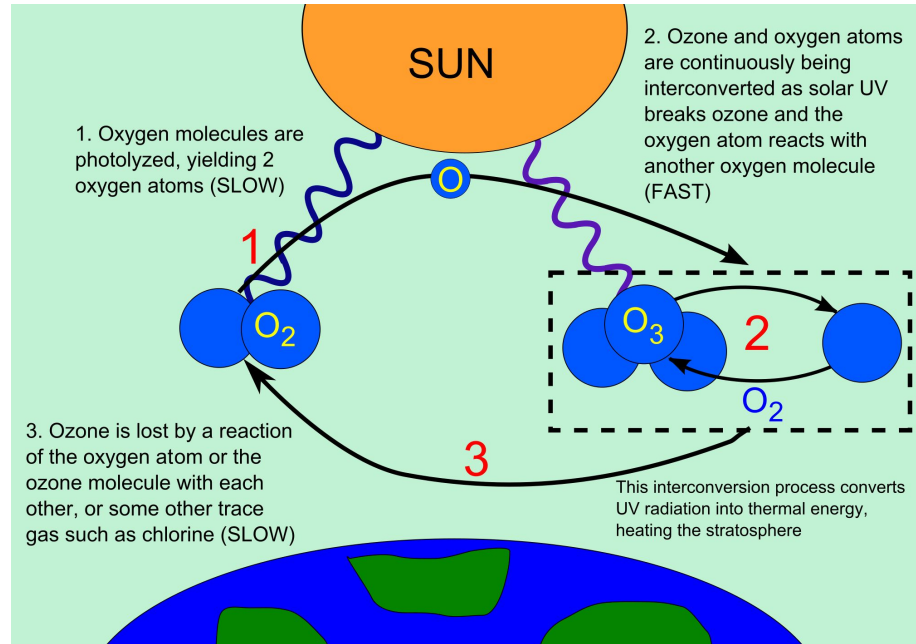
Proterozoic Eon

- Snowball Earth



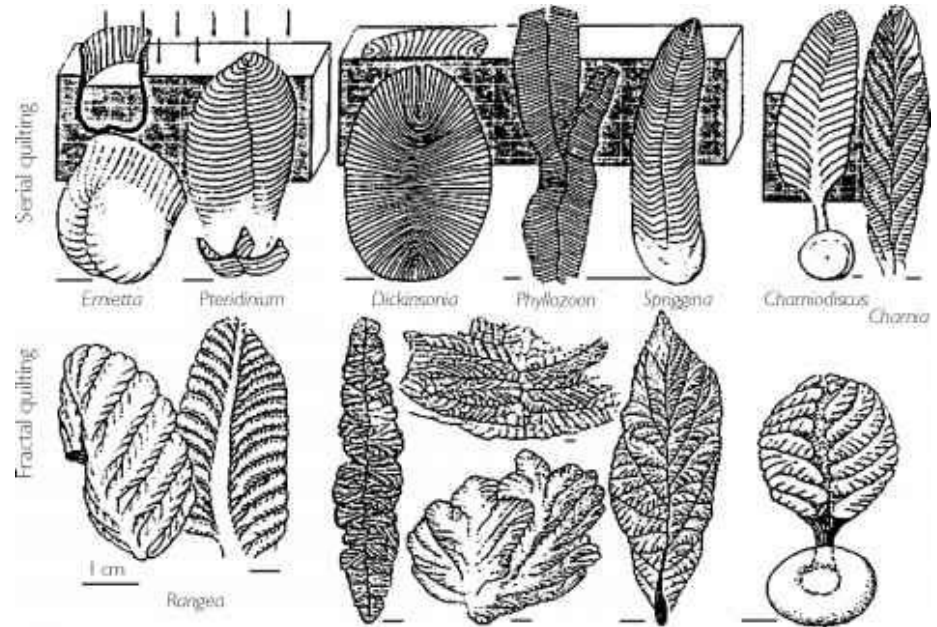
Proterozoic Eon

- Ozone Layer forms

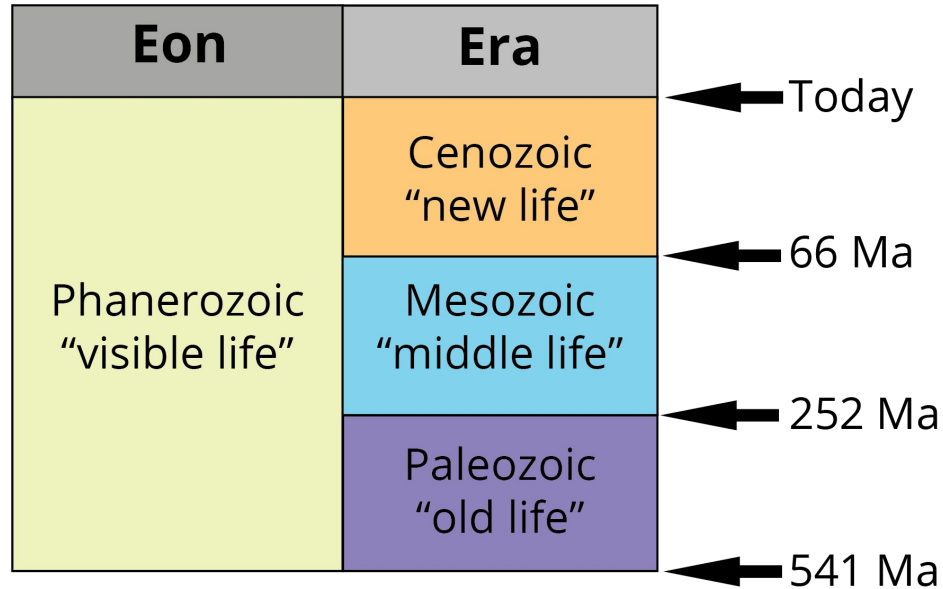


Proterozoic Eon

- The Ediacaran Fauna
- Earliest known complex multicellular organisms



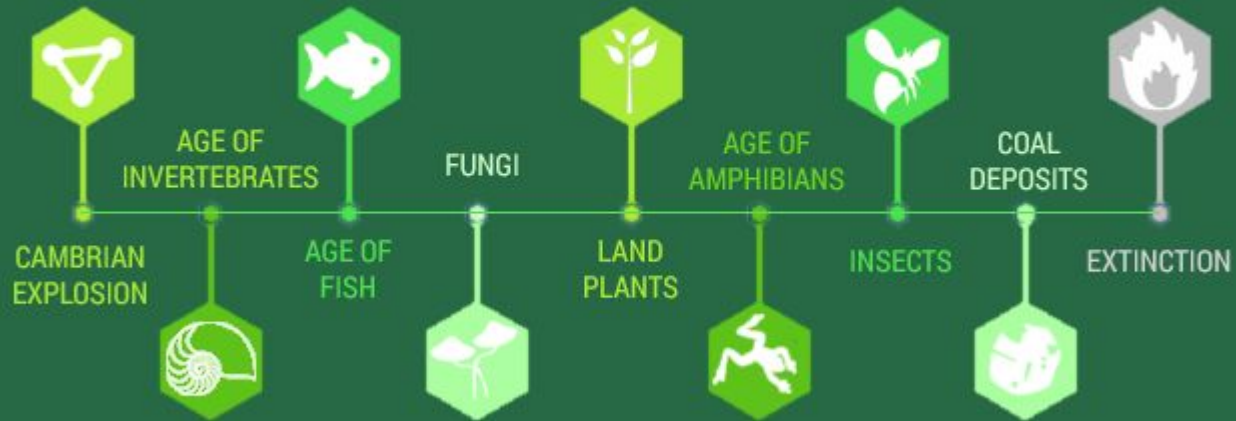
Phanerozoic Eon



- Multicellular Life Begins on Earth

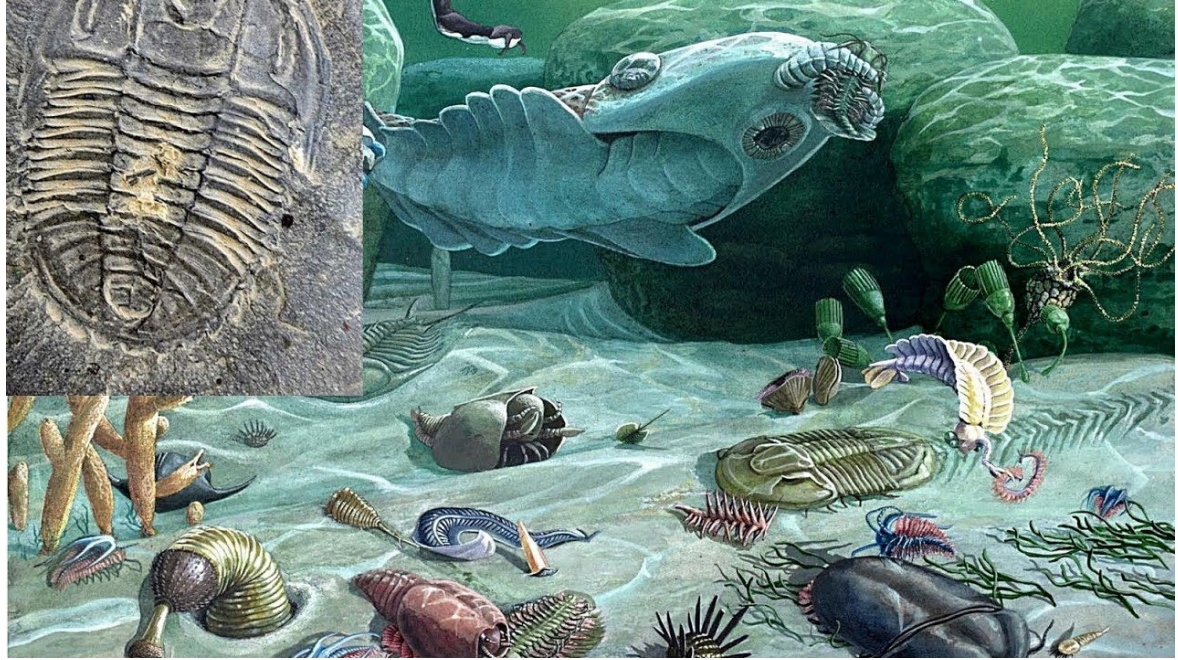
PALEOZOIC ERA

540 - 252 million years ago



Paleozoic Era

- The Cambrian Explosion!



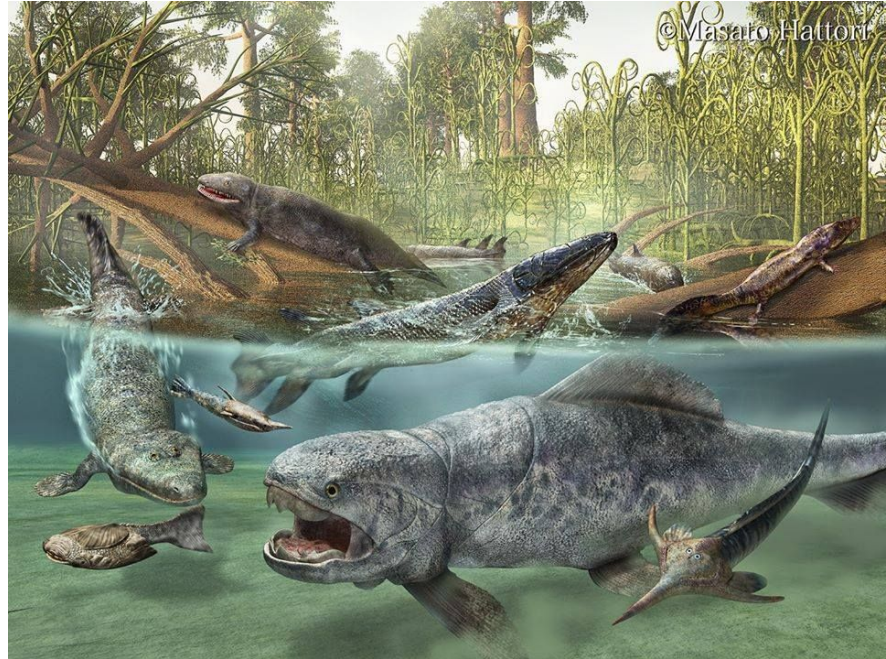
Paleozoic Era

- The Great Ordovician Biodiversification Event



Paleozoic Era

- The First:
 - Fish
 - Land Plants
 - Amphibians
 - Insects



MESOZOIC ERA

252 to 66 million years ago



AGE OF
REPTILES

PANGAEA



AGE OF
CONIFERS

AGE OF
DINOSAURS



BIRDS

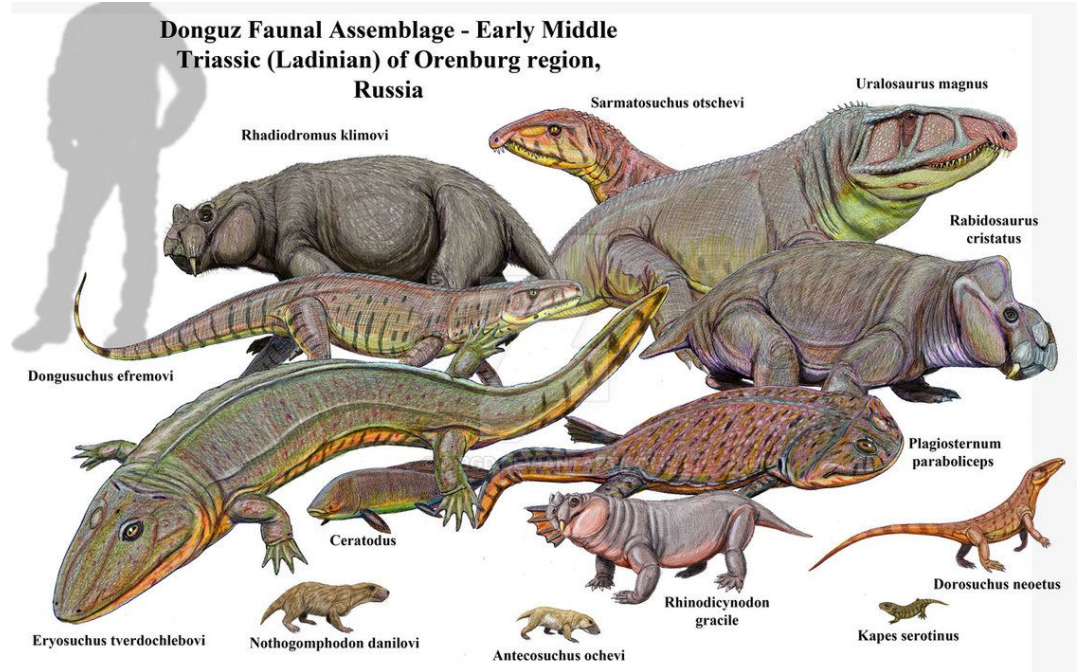
SMALL
MAMMALS



FLOWERING
PLANTS

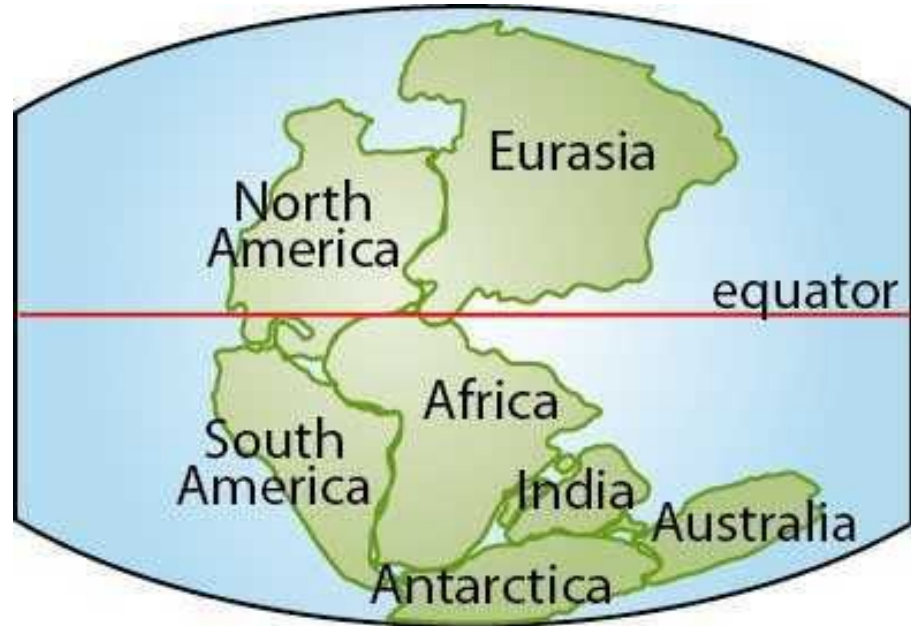
Mesozoic Era

- The “Age of Reptiles”



Mesozoic Era

- Pangaea



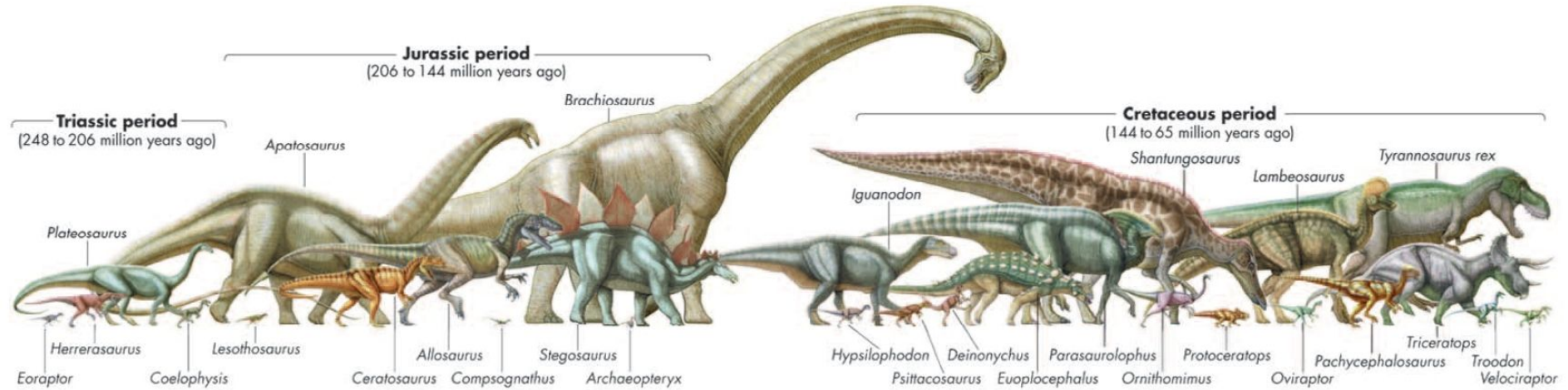
Elizabeth Morales

Mesozoic Era

- The First
 - Conifers
 - Small Mammals
 - Birds
 - Flowering Plants



Mesozoic Era



- The Dinosaurs

CENOZOIC ERA

66 to 0 million years ago

DINOSAUR
EXTINCTION



AGE OF
MAMMALS

PRIMATES



GRASS

MODERN
EARTH



APES

STONE AGE



HOMO
SAPIENS

CITIES



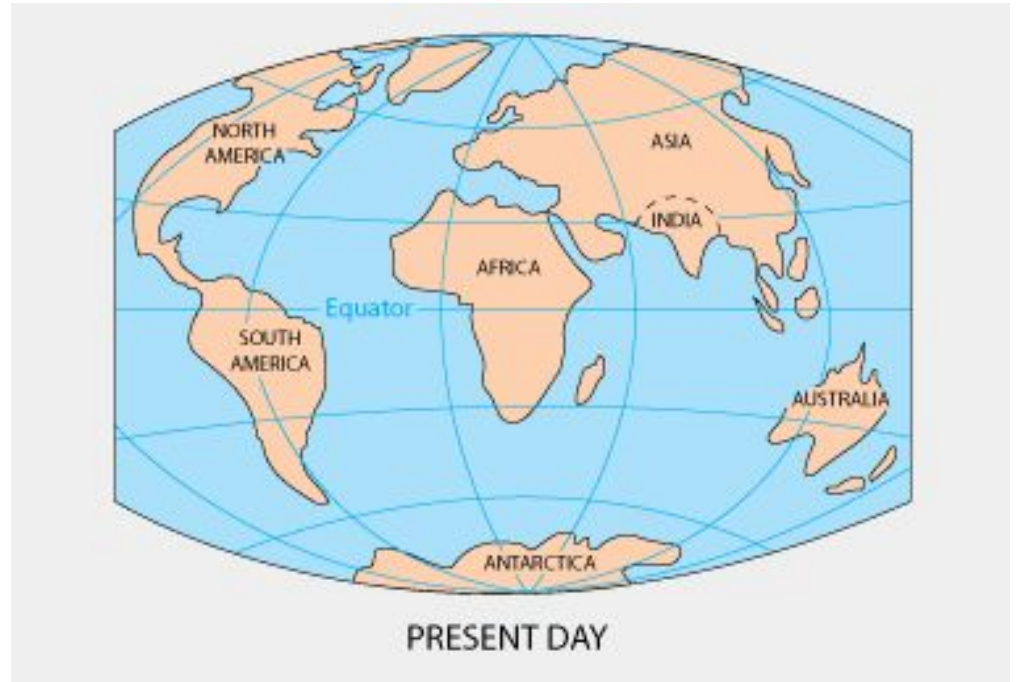
Cenozoic Era

- The “Age of Mammals”



Proterozoic Eon

- Modern Earth



Proterozoic Eon

- Ice Ages



Proterozoic Eon

- Primates to Homo sapiens

