Study Guide: Unit 8 Test

HONORS BIOLOGY: EVOLUTION (Chapter 12)

Directions: The list below identifies topics, terms, and concepts that will be addressed on your Unit 8 Test. This list should help you focus your review. This is not a homework assignment you will turn into me.

Fossils

- Types
 - o Permineralization
 - Natural Casts
 - Trace Fossils
 - o Amber-preserved fossils
 - o Preserved remains
- Most fossils form in sedimentary rock

Dating techniques

- Relative Dating
- Radiometric dating
 - o Different isotopes used
 - Half-life

Geologic Time Scale

- Organizes by major changes or events
 - o Eras (Separated by mass extinctions)
 - Cenozoic
 - Mesozoic
 - Paleozoic
 - Precambrian
 - Periods
- Index fossils

Origin of life

- Earth 4.6 billion years old
- Organic Molecule Hypotheses
 - Miller-Urey experiment
 - Meteorite hypothesis

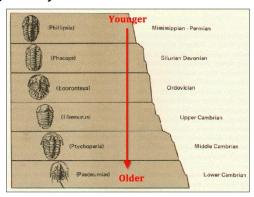
Origin cellular life

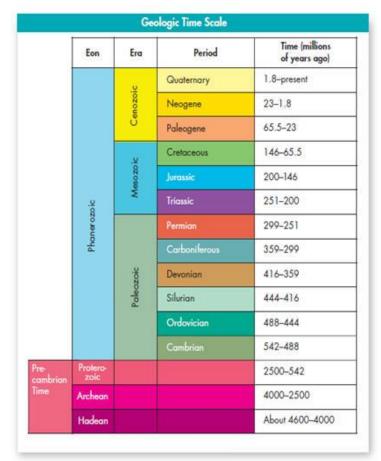
- Single celled organisms
 - Photosynthesis changed atmosphere
 - Asexual reproduction
- Eukaryotic cells
 - Endosymbiotic Theory
 - Mitochondria
 - Chloroplasts
 - (DNA, ribosomes)
 - Sexual reproduction
 - Increased genetic variation
 - Multicellular life

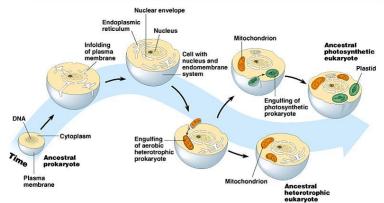
Primate evolution Evidence

- Bipedal
- Australopithecus afarensis
- Homo Neanderthalensis
- Homo sapiens- modern man ("man-wise")









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