

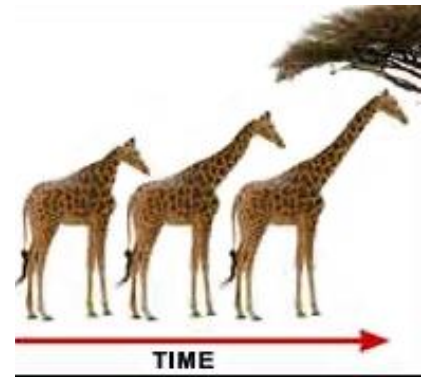
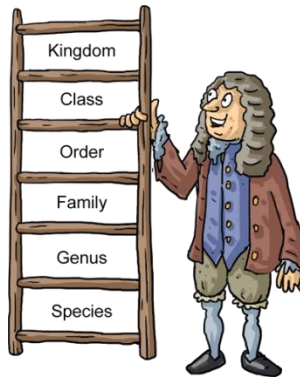
Study Guide: Unit 8 Test

HONORS BIOLOGY: EVOLUTION (Chapter 10)

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.

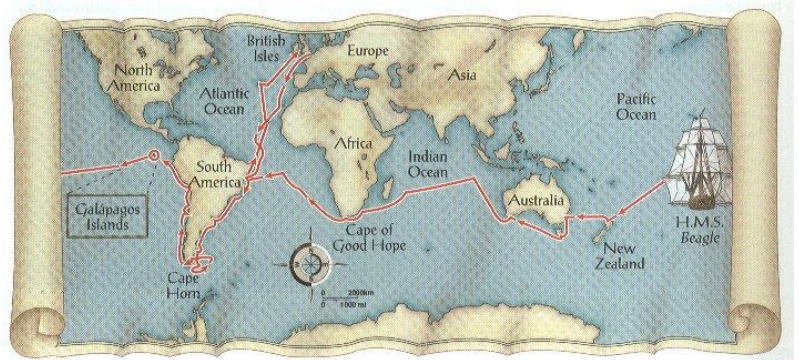
Early Ideas about Evolution

- Aristotle
- Carolus Linnaeus
- Georges Louis Leclerc de Buffon
- Erasmus Darwin
- Jean-Baptiste Lamarck
- James Hutton
- Charles Lyell
- Charles Darwin



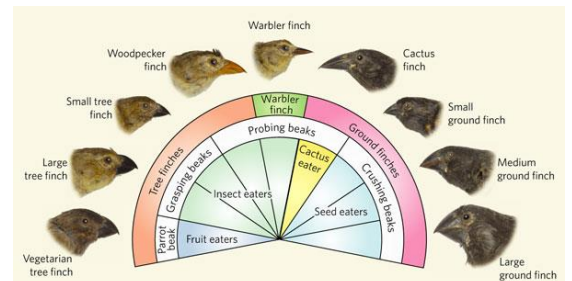
Darwin's observation

- Galapagos Islands
 - Variation
 - Adaptations
 - Fossil and geologic evidence



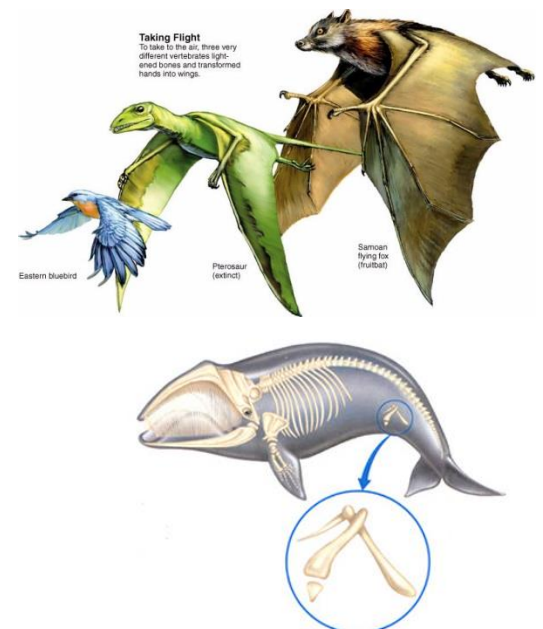
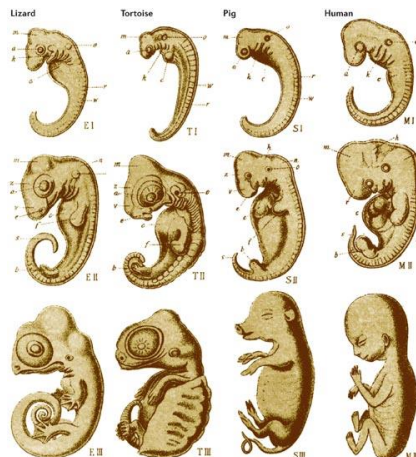
Theory of Natural Selection

- Artificial selection (how it influenced Darwin)
- 4 main principles to theory of natural selection
 - Variation
 - Overproduction
 - Adaptation
 - Decent with modification
- Fitness
- Natural selection acts on phenotypes



Evidence of Evolution

- Fossils
- Geography
- Embryology
- Anatomy
 - Analogous Structures
 - Homologous Structures
 - Vestigial Structures
- Molecular and Genetic evidence
 - DNA sequence analysis
 - Pseudogenes
 - Protein comparisons



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