**CP Evolution Study Guide**

**Please use your text (focus on 15.3, but 15.1 and 15.2 also has supporting information), homework assignments (including your webquest), and class notes to support your understanding of the concepts presented in this unit.**

**Vocabulary List**

Evolution

Theory

Fossils

Genetic variation

Fitness

Adaptation

Homologous Structures

 Vestigial Organs

Fossil Record

Extinction

Allele Frequency

Gene Pool

**Concepts**

Evidence of Evolution – know at four lines of evidence that supports Evolution

Inheritance of Acquired Traits – be able to discuss its strengths and weaknesses

Theory of Natural Selection – be able to apply it to given situation; know the requirements of natural selection

Phenotypic variation – Be able to describe the role of variation, including understanding the change in allele frequency over time

Artificial Selection – compare it to natural selection

Struggle for Existence – know the role this concept plays in natural selection

Survival of the Fittest – the role this concept plays in natural selection

Role of Adaptation in Natural Selection – be able to describe the role adaptation plays in natural selection