Biology Chapter 18 Notes Outline

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Classification – Pages 446-464**

18.1 Finding Order in Diversity-

Why Classify?

**Taxonomy-**

Assigning Scientific Names-

Early Efforts at Naming Organisms-

**Binomial Nomenclature-**

**Genus-**

Linnaeus’s System of Classification-

**Taxon-**

**Family-**

**Order-**

**Class-**

**Phylum-**

**Kingdom-**

**SECTION QUESTIONS**

**1.) How are living things organized for study?**

**2.) Why do scientists avoid using common names when discussing organisms?**

**3.) What is binomial nomenclature?**

18.2 Modern Evolutionary Classification-

Which Similarities Are Most Important?

Evolutionary Classification-

**Phylogeny-**

**Evolutionary Classification-**

Classification Using Cladograms-

**Derived Characters-**

**Cladogram-**

Similarities in DNA and RNA-

**Molecular Clocks-**

18.3 Kingdoms and Domains-

The Tree of Life Evolves-

The Three-Domain System-

**Domain-**

Domain Bacteria-

**Bacteria-**

**Eubacteria-**

Domain Archaea-

**Archaea-**

**Archaebacteria-**

Domain Eukarya-

**Eukarya-**

**Protista-**

**Fungi-**

**Plantae-**

**Animalia-**

**SECTION QUESTIONS**

**1.What are the six kingdoms of life?**

**2.) What are the three domains of life?**