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?**