Biology Chapter 19 Notes Outline

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

**Bacteria and Viruses – Pages 470-493**

19.1 Bacteria-

**Prokaryotes-**

Classifying Prokaryotes-

 Eubacteria-

 Archaebacteria-

Identifying Prokaryotes (3ways)-

 1. Shapes-

  **Bacilli-**

 **Cocci-**

 **Spirrila-**

2. Cell Walls-

 3. Movement-

Metabolic Diversity-

 Heterotrophs-

 **Chemoheterotrophs-**

 **Photoheterotrophs-**

Autotrophs-

 **Phototrophs-**

 **Chemotrophs-**

Releasing Energy-

 **Obligate Aerobes-**

 **Obligate Anaerobes-**

 **Facilitative Anaerobes-**

Growth and Reproduction-

 **Binary Fission-**

 **Conjugation-**

Spore Formation-

 **Endospore-**

Importance of Bacteria-

 Decomposers-

 Nitrogen Fixers-

 **Nitrogen Fixation-**

Human Uses of Bacteria-

**SECTION QUESTIONS**

**1. What factors can be used to identify prokaryotes?**

**2. What are some ways that prokaryotes obtain energy?**

19.2 Viruses-

What is a Virus?

 **Virus-**

 **Capsid-**

 **Bacteriophages-**

Viral Infection-

 **Lytic Infection-**

 **Lysogenic Infection-**

 **Prophage-**

**Retroviruses-**

Viruses and Living Cells-

19.3 Diseases Caused by Bacteria and Viruses-

 **Pathogens-**

Bacterial Diseases in Humans-

 Using Cells for Food-

 Releasing Toxins-

 Preventing Bacterial Disease-

 **Vaccine-**

 **Antibiotics-**

Bacterial Disease in Animals

Controlling Bacteria-

 Sterilization by Heat-

 Disinfectants-

 Food Storage and Processing-

Viral Diseases in Humans-

Viral Disease in Animals-

Viral Diseases in Plants-

Viroids and Prions-

 **Viroids-**

 **Prions-**