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-**