**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Chapter 7 – Bacteria**

**Section 7.1 Note Sheet**

**What Are Bacteria?**

**Who discovered the world of bacteria? What was he looking at under the microscope when he saw the first bacteria?**

**How many years after the first bacteria were seen did it take to prove that bacteria were living things?**

**Where do bacteria live?**

**Name and describe the three shapes of bacteria.**

**1)**

**2)**

**3)**

**Do bacteria cells have a nucleus?**

**What is the name for cells that do not have a nucleus?**

**What is a plasmid?**

**Describe the special features that bacteria have:**

**Gelatin-like Capsule –**

**Slime Layer –**

**Flagella –**

**How do bacteria typically reproduce? Describe that process.**

**What is a second way that they may reproduce?**

**Name some ways that bacteria obtain food.**

1. **Bacteria with \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ get their energy from the Sun.**
2. **Some use energy from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ reactions to make food.**
3. **Most are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
4. **Some are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because they break down dead organisms.**
5. **Some live as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in a host.**

**What is the difference between an aerobe and an anaerobe?**

**Name the 2 Kingdoms of Bacteria and give examples of each.**

**1)**

**2)**

**Name 6 ways that Eubacteria are grouped.**

**1)**

**2)**

**3)**

**4)**

**5)**

**6)**

**Describe cyanobacteria.**

**Why are cyanobacteria important?**

**Where are Archaebacteria often found?**

**Name the two ways that Archaebacteria are divided into groups.**

**1)**

**2)**

**Name the 4 groups of Archaebacteria and give an example of where each are found.**

**1)**

**2)**

**3)**

**4)**