**Archaea, Bacteria, and Viruses Study Guide**

**Vocabulary terms to know**

1. Binary fission
2. Bacteria
3. Archaea
4. Virus
5. Host

**Main Ideas –** you should be able to explain extensively the following concepts.

1. What are bacteria? How would you describe it? How is it classified? What different types are there? How are they different?
2. How are Archaea able to survive such extreme conditions? Where can they be found?
3. How do bacteria reproduce?
4. What are the different shapes of bacteria? Give sketches of each?
5. How are bacteria good for the environment? How is it good for people? How is it bad for people?
6. What are viruses? Are they alive? Why or why not?
7. How big are viruses? What shapes are they?
8. Describe the lytic cycle and the lysogenic cycle? What is the difference?