**Bacteria Notes Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Characteristics of Bacteria***

**18. What must be used to view prokaryotic cells?**

**19.What cell structures are lacking in prokaryotes?**

**20. Do bacteria have ribosomes like other types of cells?**

**21. Describe the genetic material of the bacteria.  be sure to tell where it is found.**

**22. What surrounds the cytoplasm of bacterial cells?**

**23.What surrounds the outside of all bacterial cells?**

**24. Cell walls of true bacteria contain \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**25. Some bacteria have a sticky \_\_\_\_\_\_\_\_\_\_\_\_ around the cell wall to attach to \_\_\_\_\_\_\_\_\_\_ or other bacteria.**

**26. Besides the circular chromosome, where else can DNA be found inside a bacterial cell?**

**27. What is the size of most bacterial cells?**

**28. Compare the size of bacteria to the tip of a pin.**

**31. At what pH do bacteria do best?**

**32. Most bacteria act as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Why is this so important?**

**33. How can some bacterial be harmful?  Give an example.**

**34. name two other important uses for bacteria.**

**42. What are bacterial pili?**

 **43. How do pili compare to flagella in size?**

***Bacterial Shapes***

**45. Name and describe 5 shapes used to classify bacteria.**

***a.Bacillus --***

***b. Coccus ---***

***c. Vibrio ---***

***d. Spirillum ---***

***e. Spirochete ---***

**46. What does each of these prefixes tell you about the bacteria's shape:**

**a. Diplo-**

**b. Strepto-**

**c. Staphylo-**

**48. *E. coli* is classified as what shape bacteria?**