

Name _____

Directions: Complete the study guide – study, think about what you are studying, do well on the test. This is due on the day of the test.

What are the three domains? What separates them?

1. What two major parts are a virus is composed of? _____
2. An organism within which a virus “lives” is called a(an) _____.
3. What does a virus inject into a cell in order to make it start producing more viruses?

4. A virus that infects bacteria is called a (an) _____.
5. What is an organism that can make its own food called? _____.
6. The structure that allows a bacterium to stick to different surfaces is _____.
7. Today, most classification systems place single celled organisms without a nucleus that live in normal conditions in the Domain _____.
8. Chemicals produced by bacteria that kill or weaken disease-causing microorganisms are called _____.
9. Who created the Polio vaccine? _____.
10. What is bacteria used for? Make a list _____.
11. Some bacteria have structures called _____ that help them move in watery environments.
12. Organisms that break down dead organisms into simpler substances are called _____.
13. Bacteria that can make their own food are called _____.
14. Name two examples where bacteria have a mutualistic relationship
 - 1.
 - 2.
15. Viruses can only reproduce within a(an) _____.
16. Name some extreme places Archaea bacteria can live.

16a. Some bacteria can reproduce every 20 minutes. How many bacteria would exist after 2 hours of reproduction? _____ On a separate sheet of paper, graph your results with time on the X axis and bacteria number on the Y.

17. How does a virus reproduce? I am looking for the name of this cycle and a sentence explaining all three of the steps. And what happens after the third step. (This is a 5 point question on the test!!!)

18. Less than what percent of bacteria are harmful to humans? _____

19. What is the name of the process by which bacteria reproduce? _____

20. Is the process by which bacteria reproduce sexual or asexual? _____

21. Is AIDS an example of a virus or bacteria? _____ Common cold? _____

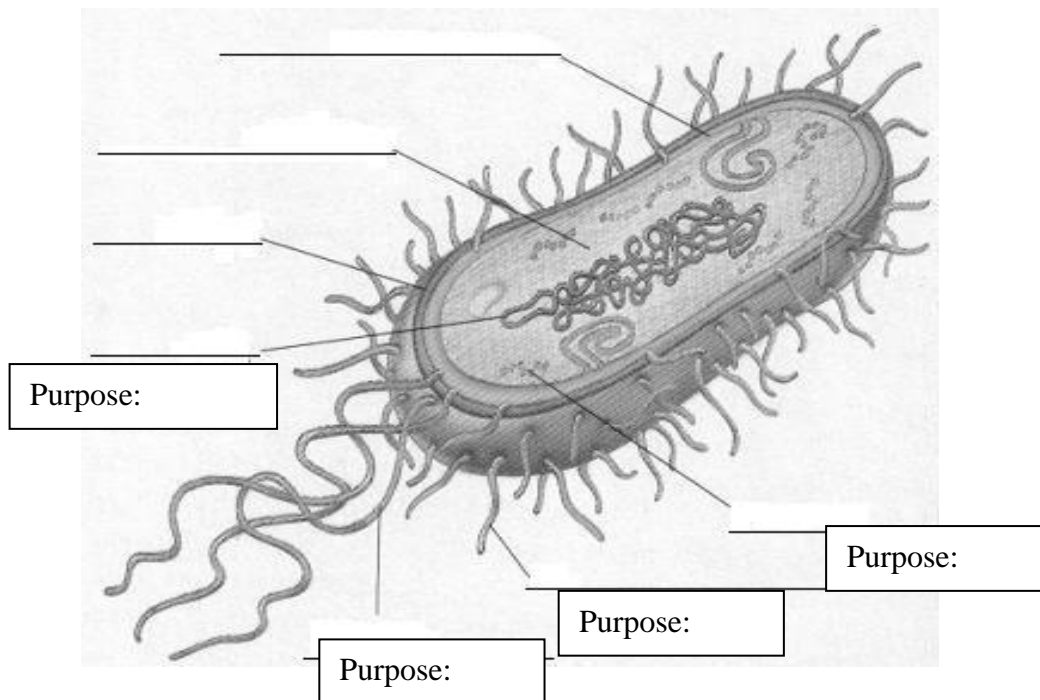
22. What labels harmful bacteria and viruses for destruction? _____

23. Smallpox has been eradicated. What does that mean? _____

24. Describe a mutualistic relationship. _____

25. What are some of the uses of bacteria? _____

Fill in the blanks of the bacterial cell diagram (including the purposes...not porpoises)



Draw a staphylobacillus bacterium:

Sketch Lactobacillus:

Draw a Streptococcus bacterium: