Bacteria Review Guide Key

Vocabulary Matching:

\_\_L\_\_ 1. Archaebacteria a. Long, whip-like tail used for movement by some bacteria

\_\_O\_\_ 2. Eubacteria b. Round, spherical shape of bacteria

\_\_H\_\_ 3. Bacillus c. Arrangement of bacteria in clusters like grapes

\_\_B\_\_ 4. Coccus d. Form of sexual reproduction in bacteria producing genetically different cells

\_\_K\_\_ 5. Spirillum e. Bacteria that causes a disease

\_\_P\_\_ 6. Strepto- f. Bacteria that do not need to use or cannot have oxygen

\_\_C\_\_ 7. Staphylo- g. Dormant, tough, protective shell produced by some bacteria when conditions are unfavorable

\_\_A\_\_ 8. Flagella h. Rod shape of bacteria

\_\_N\_\_ 9. Binary Fission i. A weakened or dead form of pathogen injected into an organism to elicit an immune response

\_\_D\_\_ 10. Conjugation j. A chemical drug that kills bacteria

\_\_M\_\_ 11. Aerobic k. Corkscrew or spiral shape of bacteria

\_\_F\_\_ 12. Anaerobic l. Bacteria that do not have peptidoglycan in their cell walls; halophiles and methanogens

\_\_G\_\_ 13. Endospore m. Bacteria that need or use oxygen

\_\_I\_\_\_ 14. Vaccine n. Form of asexual reproduction in bacteria producing genetically identical cells

\_\_J\_\_ 15. Antibiotic o. Bacteria that do have peptidoglycan in their cell walls; *Streptococcus aureus*

\_\_E\_\_ 16. Pathogen p. Arrangement of bacteria in chains

17. Label the following parts of a bacterium below using the following word bank: cell wall, cell membrane, DNA, flagella, ribosomes, cytoplasm.

18. Draw the following shapes and arrangements of bacteria:

a. *Streptococcus*



b. *Staphylococcus*

c. *Streptobacillus*



Ribosomes

Flagella

DNA

Cell wall

Cytoplasm

Cell membrane

19. Name 3 beneficial uses of bacteria: \_some make medicines, food production, recycling, cleaning up oil spills\_\_

20. List the two main differences between prokaryotes and eukaryotes:

 a. Prokaryotes do not have a membrane bound nucleus and eukaryotes do have a membrane bound nucleus.

 b. Prokaryotes do not have membrane bound organelles and eukaryotes do have membrane bound organelles.