

Name: _____

Date: _____

Unit Test: Bacteria and Viruses

*Good luck! I believe in you! Just remember to **breathe** and read the questions **carefully** and take your time. **Trust yourselves you know more than you think you do.***

True/False Directions: *Circle the letter corresponding with the True or False options.*

1. Bacteria are not living because they cannot make sounds, like an animal.
 - a. True
 - b. False
2. Asexual reproduction occurs in bacteria.
 - a. True
 - b. False
3. Lysogenic cycle is where the virus is dormant and allows the cell to replicate the virus genetic material in the cell's division.
 - a. True
 - b. False
4. Humans would be able to survive without bacteria.
 - a. True
 - b. False
5. A parasite does not benefit from living on or in a host.
 - a. True
 - b. False

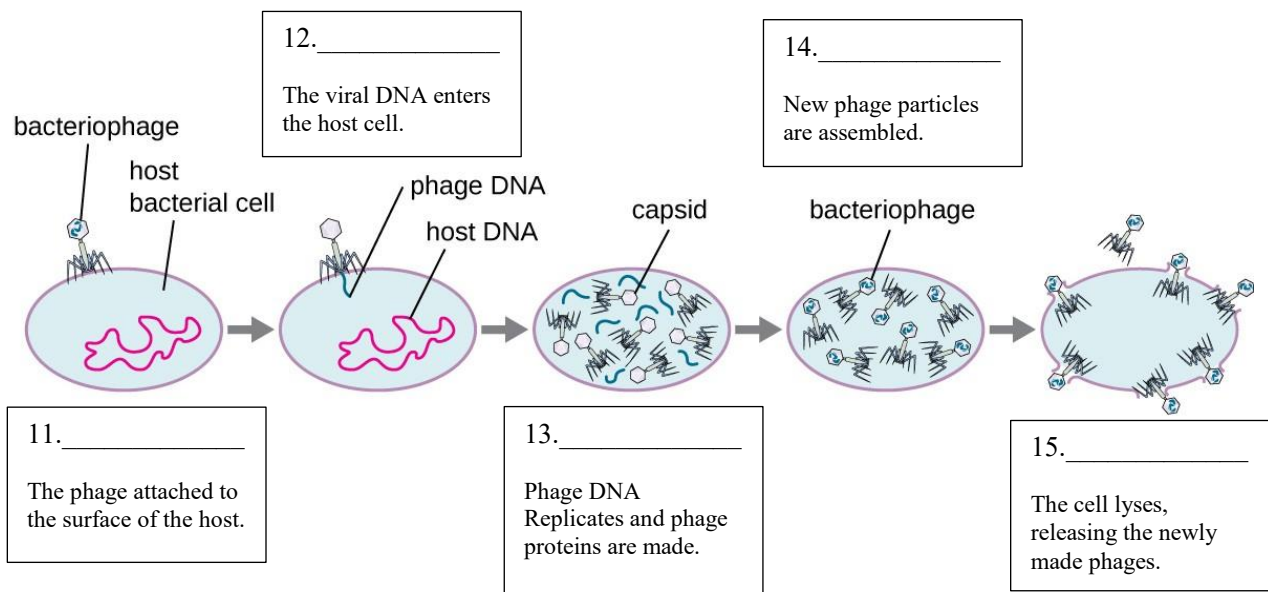
Matching Directions: *Circle the letter that is next to the most appropriate answer.*

6. A virus that infects bacteria.
 - a. Bacteriophage
 - b. Chromophage
 - c. Zoonotic
7. Bacteria that obtain energy from breaking down chemical compounds in their environment.
 - a. Heterotrophs
 - b. Chemotrophs
 - c. Autotrophs
8. Composed of DNA or RNA with a protein coat that infects organisms. (Not composed of cells.)
 - a. Virus
 - b. Bacteria
 - c. Fungi
 - d. Mitochondria
9. What type of bacteria do not need oxygen?

- a. Aerobic
- b. Hydrophobic
- c. Fish
- d. Anaerobic

10. Most bacteria can be treated with _____, which kills the bacteria.
- a. Vaccine
 - b. Benadryl
 - c. Probiotics
 - d. Antibiotics

Fill in the Blank Directions: Complete the overview of the lytic virus life cycle. ***Not all*** the words in the word bank will be used.



Word Bank:

penetration host maturation flagella antibiotic
 attachment sexual reproduction biosynthesis lysis

Bonus Question: *Worth 3 extra points, one shape is worth a half point and one name for corresponding shape is worth a half point.*

Draw and label the three different bacteria shapes.