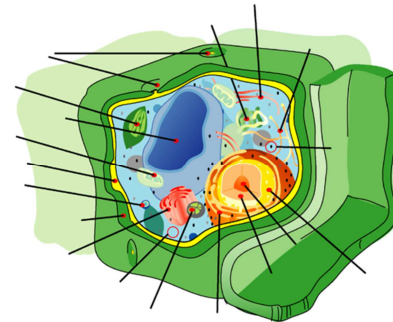
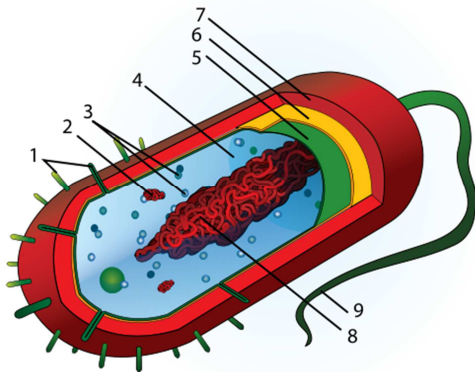


Name: _____

Unit 1 – Basic Biological Principles

1. What are the 7 characteristics of life?
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
 - f. _____
 - g. _____
2. What type of cell does not have a nucleus? _____
3. What type of cell has a nucleus? _____
4. Label the parts of the prokaryotic and eukaryotic cells:



Diagrams courtesy of Mariana Ruiz Villarreal via Wikimedia Commons

5. What type of eukaryotic cell is pictured above? _____
6. What structure makes up the boundary of the cell? _____
7. Provide two examples of prokaryotes: _____
8. Provide three types of eukaryotic cells: _____
9. Ribosome make _____.
10. Proteins that are destined to be excreted from the cell go to the _____ after the ribosomes.
11. The final destination for proteins being excreted from the cell is the _____.
12. Another name for cytoplasm: _____
13. What is an organelle? _____
14. Where is sugar turned into ATP? _____
15. Where is light energy converted to chemical energy (sugars)? _____