**CHAPTER 7: CELLULAR STRUCTURE AND FUNCTION RFC #4**

\* Read the following questions, **THEN** read from Chapter 7 p. 195-200 **THEN** answer the following questions on your own paper in complete sentences. ***ANSWERS ARE NOT IN ORDER, YOU MUST READ FIRST!***

1. Are vacuoles found in animal or plant cells? **Explain**.
2. What does the heath of a cell depend on?
3. Why is the inner membrane of the mitochondria highly folded (what function does it serve)?
4. Compare and contrast cilia and flagella. ***Be sure to include what they are composed of.***
5. Describe the composition of a cell wall.
6. Explain at least 3 differences between animal and plant cells when comparing them.
7. Name the structure responsible for the breakdown of bacteria and viruses.
8. What do vacuoles hold?
9. Explain why mitochondria are often referred to as the powerhouses of the cell.
10. **Type II:** Explain in a minimum of 5 sentences how chloroplasts capture light energy. Use and **Underline** the following words in your answer: thylakoid, chlorophyll, and pigment.
11. Where are centrioles located?
12. Describe the function of a vesicle?
13. Why do some proteins go to the Golgi Apparatus?
14. **Type II:** In a minimum of 5 sentences, explain how lysosomes and vacuoles work together to eliminate waste.
15. What are plastids and what are their functions?
16. Complete the Data Analysis Lab 2 on p.194

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