**CHAPTER 7: CELL STRUCTURE AND FUNCTION OUTLINE QUIZ #2**

***SECTION 3: Structures and Organelles(through ER)***

1. What allows for the specialization and separation of functions within a eukaryotic cell?
2. Semifluid material inside of the plasma membrane.
3. Responsible for supporting organelles within the cell.
4. Thin protein threads that help give the cell shape and aid in movement.
5. Protein cylinders that form a rigid skeleton for the cell and assist in movement.
6. Organelles carry out cell processes such as \_\_\_\_\_ synthesis, \_\_\_\_\_\_ transformation, digestion of food, excretion of waste, and \_\_\_\_\_.
7. Responsible for directing the activities of a cell.
8. Where is DNA located?
9. Describe the function of DNA.
10. The nuclear \_\_\_\_\_\_ has nuclear \_\_\_\_\_\_ that allow larger sized substance to move in and out of the nucleus.
11. Complex DNA attached to protein is referred to as \_\_\_\_\_ and can be found in the \_\_\_\_\_\_.
12. Organelle responsible for the making proteins.
13. What are the two components of ribosomes?
14. The site of ribosome production.
15. What is the difference between free floating ribosomes and those bound to the ER?
16. The ER is the site for \_\_\_\_\_\_ and \_\_\_\_\_ synthesis.
17. Location on the ER without ribosomes
18. Location on the ER with ribosomes.
19. Function of the Rough ER.
20. The smooth ER synthesizes complex \_\_\_\_\_\_, and lipids, including \_\_\_\_\_.
21. \_\_\_\_\_\_ ER found in the liver \_\_\_\_\_\_ harmful substances.
22. Complete the following chart by putting the following structures in the appropriate columns: nucleus, plasma (cell) membrane, cell wall, lysosomes, Golgi apparatus, vacuole, Endoplasmic Reticulum, mitochondria, cytoskeleton, cilia, cytoplasm, ribosomes, and flagella.

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| Plant Cells Only | Animal Cells Only | Prokaryotic Cell only | Both plants and animal cells | Both Plants and Prokaryotic cells | Both Animal and Prokaryotic Cells | ALL |
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