**Cell Theory and Organelles Quiz**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| \_\_\_\_\_\_ 1. Cell | 1. Supporting network of long, thin protein fibers that form the framework for the cell and provide an anchor of the organelles. |
| \_\_\_\_\_\_ 2. Cell Theory | 1. Temporary storage sac for water, nutrients or waste within cells. |
| \_\_\_\_\_\_ 3. Plasma Membrane | 1. Specialized structures that carry out specific cell functions. |
| \_\_\_\_\_\_ 4. Organelle | 1. Within the nucleus where proteins are manufactured. |
| \_\_\_\_\_\_ 5. Eukaryotic Cell | 1. Short, numerous projections that look like hairs. |
| \_\_\_\_\_\_ 6. Nucleus | 1. Environment inside the plasma membrane that is semi-fluid. |
| \_\_\_\_\_\_ 7. Prokaryotic Cell | 1. Vesicles that contain substances to digest excess or worn-out organelles and food particles. |
| \_\_\_\_\_\_ 8. Cytoplasm | 1. The organelles that help manufacture proteins. |
| \_\_\_\_\_\_ 9. Cytoskeleton | 1. Contain a nucleus and other organelles that are bound by membranes. |
| \_\_\_\_\_\_ 10. Ribosome | 1. Organelles made of microtubules that function during cell division. |
| \_\_\_\_\_\_ 11. Nucleolus | 1. Long, whip-like projections for movement. |
| \_\_\_\_\_\_ 12. Golgi Body | 1. Fundamental ideas of modern biology and includes three principles. |
| \_\_\_\_\_\_ 13. Vacuole | 1. A thick, rigid, mesh of fibers that surround the outside of the plasma membrane to protect the cell, and gives it support. |
| \_\_\_\_\_\_ 14. Lysosome | 1. Cells without a nucleus or other membrane-bound organelles. |
| \_\_\_\_\_\_ 15. Centriole | 1. Energy generators that convert fuel into useable energy, |
| \_\_\_\_\_\_ 16. Mitochondria | 1. The basic structure and functional unit of all living organisms. |
| \_\_\_\_\_\_17. Chloroplast | 1. A membrane system of folded sacs and interconnected channels that serve as the site for protein and lipid synthesis. |
| \_\_\_\_\_\_ 18. Cell Wall | 1. Organelles that capture sunlight energy and turn it into chemical energy through the process of photosynthesis. |
| \_\_\_\_\_\_ 19. Endoplasmic Reticulum | 1. Distinct central organelle that contains the cell’s genetic information in the form of DNA. |
| \_\_\_\_\_\_ 20. Cilium | 1. A flattened sac of membranes that modifies, sorts, and packages proteins into sacs known as vesicles. |
| \_\_\_\_\_\_ 21. Flagellum | 1. A boundary that helps control what enters and what leaves the cell. |

Score \_\_\_\_\_\_\_\_\_\_/ 21 points \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_%