

## ***Cell Test Review*** ***Ch. 7 & 10***

### ***Resources:***

1. Read Textbook Ch. 7 & 10
2. Cell Structure and Function Notes
3. Basic Unit of Life Lab
4. Plasma Membrane Notes
5. Osmosis and Diffusion Lab
6. Cell Cycle Notes
7. Mitosis Lab

### ***Key Concepts:***

1. Basic unit of life?
2. Cellular characteristics of Prokaryotes vs. Eukaryotes
3. Organelle
4. Diffusion
5. Osmosis
6. Endocytosis
7. Exocytosis
8. Function of microtubules & microfilaments
9. Function of Spindle fibers in cell
10. Structure and function of the Cell (plasma) membrane
11. Metric conversions
12. Phagocytosis
13. Pinocytosis
14. Trace the path of a protein through a cell
15. Function of :  
Mitochondria  
Golgi body  
Smooth ER  
Rough ER  
Ribosomes  
Nucleus  
Chromatin  
Peroxisome  
Chloroplasts  
Cell Plate  
Lysosome  
Plasma membrane  
Cell Wall  
Nucleolus  
Nuclear envelope  
Centrioles  
Central vacuole  
Plasmodesmata
16. Active transport
17. Cancer
18. Cell division
19. Cell theory
20. Cell wall structure and function
21. Chromatids
22. Contributions of Schleiden, Schwann, Hooke and other early cell scientists
23. Diploid
24. Electron microscopes and magnification power
25. Function of cyclins
26. Functions of the cytoskeleton
27. Haploid
28. Interphase and its stages and what happens in those stages
29. Ion pumps and channels structure and function
30. Levels of organization
31. Mitosis and its stages and the events that occur in those stages
32. Passive transport and examples
33. Protein structure and the bonds responsible for their level of structure
34. Stage of the Cell Cycle
35. The use of fluorescent labels and light microscopy
36. Tissue
37. Tumor
38. Endomembrane system
39. Limits to cell size (SA/V)
40. Sodium-potassium pump
41. Explain how the following solutions affect plant and animal cell: hypertonic, hypotonic, and isotonic