

## **Chapter 7 Study Guide: CELLS**

1. Who was the first to view cork cells under a microscope?
2. What are the tenets of the Cell Theory and who helped create them?
3. Compare and contrast prokaryotic and eukaryotic cells.
4. Describe the structure and function of a cell's nucleus.
5. Which organelles are responsible for helping the cell make energy?
6. Name and explain the parts of both a chloroplast and a mitochondrion.
7. What is ATP, name each of the three parts that make up an ATP molecule, and where is it made?
8. What are the end products of photosynthesis made by the plant chloroplast?
9. In what kind of cells would you find a cell wall?
10. How do leukocytes (white blood cells) dispose of damaged or dying cells in your body? Explain the process clearly.
11. Know the structure and function of all cell organelles for plants and animal cells.
12. Know all vocabulary, especially the terms we discussed from the Maintaining Equilibrium movie.
13. Review your Diffusion Lab results.
14. Know the Fluid Mosaic Model of a Cell Membrane.
15. Name the stain used in the Cheek Cell lab and explain what it did.