



THE CELL TOUR



Biology Success! Teaching Diverse Learners

Please answer the following questions as you proceed through The Cell Tour.

1. Besides the nucleolus, what other material is inside the nucleus?
2. What is the ER made up of?
3. Do ribosomes have a membrane?
4. How did the golgi get their name?
5. What are the inner folds in the mitochondria called?
6. Which part of the membrane is hydrophobic (water hating) and which part is hydrophilic (water loving)?
7. Is the composition of the cytoplasm the same as the extra cellular fluid?
8. What would happen to the organelles if there were no microfilaments and microtubules?
9. Around what other organelle would you expect to find the most number of vesicles?
10. Why must the cell expend energy to keep enzymes within the lysosomes?
11. What is the space around the thylacoids called?
12. When observing a plant cell under a microscope, why are the organelles restricted to the periphery of the cell?
13. Several animals can digest cellulose but can humans?
14. Do centrioles have their own DNA (deoxyribonucleic acid)?
15. Name three cells, that each bears one of these modifications (cilia, flagella, and microvilli).