Cell Exploration

# Task 1:

Fill in your definitions for all the organelles listed on your handout using the PINK sheets, your textbooks, the powerpoint found in this folder, the websites below or any other resource you choose to use.

# Task 2:

Complete the notebook file in the folder.

# Task 3:

Answer the following questions in your notebook or type them up. DO NOT PRINT ANYTHING WITHOUT my permission

1. What is the main difference between a prokaryotic and a eukaryotic cell? Please give 2 examples of each kind of organism within those parameters.
2. Name the organelles that help you to identify a plant cell and explain why they are so important for the plant cell’s survival.
3. What is a flagella and where would you find one?
4. What is a virus/how would you classify one?
5. Given the main function of the mitochondria, why are there certain cells with high levels of them and others with lower levels of them.
6. Define the following terms:
   1. Permeable
   2. Selectively permeable
   3. Endocytosis
   4. Exocytosis
   5. Pinocytosis
   6. Phagocytosis
   7. Isotonic
   8. Hypertonic
   9. Hypotonic

**Useful sites to help you along:**

<http://micro.magnet.fsu.edu/cells/index.html>

<http://www.johnkyrk.com/>

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