

QUIZ Cell Ultrastructure Review

GENERAL BIOLOGY LABORATORY BSC 1005L

Note: The following learning objectives are meant to represent a general overview of the BSC1005L - and by no means are to be used as an all inclusive study guide. Requisites for this course include **all** assigned readings, handouts, written assignments, movies and lectures as well as any extra projects. Students are responsible for **all** the assigned materials regardless of whether or not said materials have been specifically covered or addressed during class. As always, students with questions regarding assignments, whether covered in class or not, are welcome to come to my office during office hours, or by appointment, or may e-mail me at: arodrigu@broward.edu their questions to me and I will respond in a timely manner. Upon successful completion of this unit, the students should be able to:

1. List the major phases of cellular respiration. How many ATP's are produced at each stage?
2. Tetrazolium will detect the presence of which cellular organelle?
3. After centrifugation you might have been able to see different layers. What cellular organelles are contained in each layer? Why?
4. Contrast the following organelles
 - a) mitochondria
 - b) chloroplast
5. What is the *fundamental* cellular fuel molecule produced by cellular respiration?
6. What is detected using iodine?
7. Define the following terms:
 - a) centrifugation
 - b) filtration
 - c) homogenization
 - d) sedimentation