

Name: _____ Date: _____ Period: _____ BIN: _____

Cell Biology: An Independent Learning Exercise

When providing the best possible answer to the following questions please apply all learned scientific techniques and procedures, do not use abbreviations, use proper scientific terminology, show work for all mathematical calculations, use all significant figure and scientific notation rules, apply S.E.E.C. writing strategies, and note that at all times spelling counts. Your ability to meet these and all established classroom expectations, including labeling of BINs, providing heading information, and your ability to follow directions may be included in computation of grade.

Throughout this year in our Honors Level Biology Class we have been developing and building individual learning and study skills in an effort to prepare for future upper level high school courses as well as eventual AP and/or college level courses. We have practiced using various resources; class lectures, study guides, worksheets, PowerPoint notes, content reading exerts, textbooks, online resources and laboratory materials to introduce ourselves to new material and further study class topics. We have spent time critically reading for comprehension various authentic reading articles as well as science texts. We have learned and practiced outlining skills in an effort to enable you to better identify and isolate the important information contained in science texts and internet resources.

This unit will put all of these skills and practices to the test! You will be given a variety of resources to use and a very specific list of learning goals and expectations. It will be your assignment to work through the array of materials provided, as well as use additional online resources as you see fit to identify, understand, and learn the listed objectives. All learning goals will be very straightforward and will include a majority of the content you have been introduced to in previous science classes. All learning goals will be level one or level two; there will be no level three learning goals that you will be expected to work through on your own – we will continue to work together to address these higher level-learning objectives together as a class.

We will begin this independent learning plan the **beginning of Unit 6**. You will be given some time in class each day in addition to time spent at home nightly to work through the basics of the information and to ask questions as needed. I will be available to answer questions as always. On the given date you will complete a 75 point mini Unit Test – we will call it a Tuest ☺.

Topics to be covered include:

- Cell theory and the 5 scientists accredited with its development
- Differentiation between prokaryotic and eukaryotic cells
- Differentiation between plant and animal cells
- List, describe and diagram the three types of motility
- List, label in a cell, and describe the structure and function of all cell structures and organelles