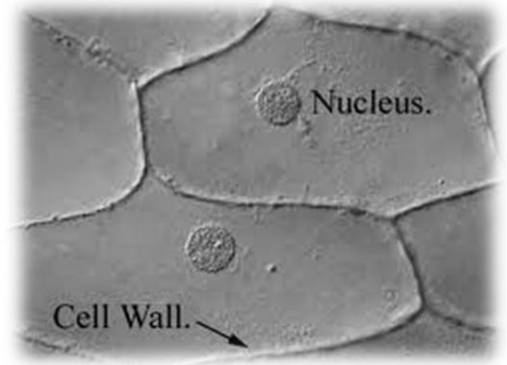


Cells

As you go through this unit on the study of cells, you should have these “big” ideas in mind.

- ❖ How can something small and seemingly insignificant make a big impact?
- ❖ How do we know about something we can't see?
- ❖ How can technology change our current view of the universe?



TASKS: You work as a cell biologist for Pfizer—the world’s largest research based organization. You just started your job as an entry level researcher and need to prove yourself in a couple fundamental tasks before you are assigned to a research project. With a partner or two, you will work on the tasks below. After each activity is completed, you will hold a discussion and share your knowledge with your boss (the teacher). Your boss may choose to have you rework or redo certain tasks based on your level of mastery of the content or he/she might extend/question/provide feedback before signing off on the activity. Ultimately each activity is a building block, just like a cell, that allows your access to further understanding the complex mystery of “life”.

You **MUST** complete the following activities in order:

Activity Name	Page # in ILL	Teacher Initials
Microscopic Image		
<input type="checkbox"/> Overview—Microscopic Image		
<input type="checkbox"/> Pre-test		
<input type="checkbox"/> Proper Microscope Use		
<input type="checkbox"/> POYO...Proper Microscope Use (Top 5 Most Important Things to Remember is suggested)		
<input type="checkbox"/> Lab—Microscopic Image part 1		
<input type="checkbox"/> Microscope Labeling (from lab)...with sticky labels for review		
<input type="checkbox"/> Quiz—Microscope Parts and Functions (must earn 100%)		
<input type="checkbox"/> Lab—Microscopic Image part 2		
<input type="checkbox"/> SWYK—Microscopic Image		
<input type="checkbox"/> Process—Microscope Man		
<input type="checkbox"/> CFU—Microscopic Image (must pass with 80% of higher)		
<input type="checkbox"/> Current Event—Technology related article related to microscope (you must find...no later than 2010) annotated (<i>highlight key ideas, brackets for new [vocab], arrows connecting ideas and summary statement at conclusion of reading</i>)		
<input type="checkbox"/> Process—Technology current event reflection (questions provided)		
Cell Theory/Protists		
<input type="checkbox"/> Overview—Cell Theory and Single-Celled Organisms		
<input type="checkbox"/> Lab—ABCs of Life (cell drawings should accurately reflect what is seen)		
<input type="checkbox"/> SWYK—ABCs of Life		
<input type="checkbox"/> POYO—SWYK ABCs of Life		
<input type="checkbox"/> CFU—ABCs of Life (must pass with 80% of higher)		
<input type="checkbox"/> Lab—Diversity of Protists		
<input type="checkbox"/> SWYK—Diversity of Protists		
<input type="checkbox"/> POYO—SWYK Diversity of Protists		

<input type="checkbox"/> CFU—Diversity of Protists (must pass with 80% of higher)		
<input type="checkbox"/> Current Event—Technology related article related to Cell Theory or Protists (you must find...no later than 2010) annotated (<i>highlight key ideas, brackets for new [vocab], arrows connecting ideas and summary statement at conclusion of reading</i>)		
<input type="checkbox"/> Process—Technology current event reflection (questions provided)		
<input type="checkbox"/> Study Guide—Protist/Cell Theory/Microscope		
<input type="checkbox"/> Quiz—Protist/Cell Theory/Microscope		
Plant and Animal Cells		
<input type="checkbox"/> Overview—Plant and Animal Cells		
<input type="checkbox"/> Cell Organelles—Notes (use of powerpoint on Weebly or Cells Alive)		
<input type="checkbox"/> Process—Cell Similes (must stick to one topic...no repeating parts!)		
<input type="checkbox"/> Life Process—Notes (use of powerpoint on Weebly)		
<input type="checkbox"/> Process—Life Processes drawings (follow directions carefully...graded assignment)		
<input type="checkbox"/> Lab—Plant Cells and More Plant Cells		
<input type="checkbox"/> Overview—Hierarchical Organization		
<input type="checkbox"/> Lab—Animal Cells		
<input type="checkbox"/> SWYK—Plant and Animal Cells (*prep Lab—Incredible Egg)		
<input type="checkbox"/> POYO—SWYK Plant and Animal Cells		
<input type="checkbox"/> CFU—Plant and Animal Cells (must pass with 80% of higher)		
<input type="checkbox"/> Current Event—Technology related article related to cells (you must find...no later than 2010) annotated (<i>highlight key ideas, brackets for new [vocab], arrows connecting ideas and summary statement at conclusion of reading</i>)		
<input type="checkbox"/> Process—Technology current event reflection (questions provided)		
<input type="checkbox"/> Study Guide—Cell Parts and Life Processes		
<input type="checkbox"/> Quiz—Cell Parts and Life Processes		
Transport—Extension as time permits (move directly to test if no time)		
<input type="checkbox"/> Lab—Incredible Egg set up		
<input type="checkbox"/> Cell Transport Notes with textbook		
<input type="checkbox"/> Lab—Incredible Egg results		
<input type="checkbox"/> SWYK—Incredible Egg		
<input type="checkbox"/> POYO—SWYK Incredible Egg		
<input type="checkbox"/> CFU—Incredible Egg		
<input type="checkbox"/> Study Guide—Cell Unit		
<input type="checkbox"/> Test—Cell Unit		