

Agenda for Monday, October 5th 2015

Agenda	Homework
1. Cell Parts Quiz 2. Discuss Animal Cell Observations (H18) 3. Plant Cell Observations	- No homework tonight.

Why are we doing this?

Today you will be assessed on your knowledge of the function of various cell parts and organelles. After this we will talk about what you discovered in the animal cell observations. This will help us answer the guiding question from handout 18. Then, if we have time, we will begin observing plant cells. Similar to the animal cells, we will observe two examples of animal cells to see how they are similar and different, how their shape is related to the function, and how the cells are specialized for their role.

Today's Procedure

1. Put everything away except for a pen or pencil.
2. Complete the cell parts quiz. Review your work before you turn it in. Make sure your name is on it. Once you turn it in, you cannot get it back for any reason.
3. Visit <http://futurism.com/thisweekinscience> and read an article or two while others are still working. Do not move on until you are told to do so.
4. Open handout 18 and let's review it together.
5. Download handout 19 and let's review the instructions together.
6. Make a wet mount slide of the elodea. Add one elodea leaf to a slide. Add a drop of water (**do not use dye**) and add the cover slip.
7. Observe the elodea at 40X, 100X, and 400X. Make your drawing at 400X. Draw at least 4 cells (or fewer if you cannot see 4 cells).
8. Label the cell membrane/wall, nucleus, chloroplast, and cytoplasm.
9. Be sure your drawing follows the 10 rules of microscope drawings. Follow the rules on Handout 12 from your binder.
10. Title your drawing "Elodea Leaf Plant Cell"
11. Measure the size of the cell using the small ruler.
12. Clean up your slide with these instructions:
 - Throw away the cover slip and elodea leaf.
 - Dry the slide and return it to the blue tray.

I finished early, now what?

1. Optionally complete any of the lesson extensions Schoology (look in the Extensions Folder). This is a good way to challenge yourself with our current topic.