

Agenda for Friday, October 2nd 2015

Hello students!

Today you have a work day to finish the animal cell activity, observe your ponds, and (if you have time) play Cell Craft. You must complete the procedure below in order. Do not jump around in the procedure. The quiz is moved to Monday. Use the weekend to continue reviewing.

Show our guest teacher that you know how to be respectful and responsible. Have a great weekend! I will see you on Monday.

Mr. Ower

Agenda	Homework
1. Animal Cell Observations (H18) 2. Pond Observations (H15) 3. Cell Craft	- Review flash cards - Cell Parts quiz on Monday

Why are we doing this?

The new agenda item for today is to examine your ponds. Our ponds are models of ecosystems. Ecosystems change over time. Part of the purpose of building the pond is to see how it changes over time. In addition to the other activities today, you will collect observations about your pond to see how it has changed since you built them a week ago.

Today's Procedure

1. Complete the animal cell observations (handout 18). You will only be using prepared slides today (**do not make any cheek cell slides**). Be extremely careful with these slides. We've had one break. The cost of the slide is \$7.45. **DO NOT BREAK THEM!** All slides (nerve and cheek) are available on the front table. Follow the procedure sheet from Wednesday to complete handout 18. When you are done, keep your microscope on and ready to use for the next step.
2. Open handout 15 (Pond Observations) in Notability.
3. Insert a new page into the document.
4. Title the page "Pond Observations: 1 Week Later."
5. Obtain your pond and bring it to your table.
6. Remove the lid.
7. Take a picture of the top-view. Insert this into the new page on handout 15 and label it "Top View Picture."

8. Repeat step 7 but with a side-view. The label will be "Side View Picture."
9. Take a pipette, a cover slip, and a microorganism sheet (classy copy) from the front table.
10. Use the pipette to get a drop of water from near the surface of the soil in the pond. Place the drop into the well slide. Add the cover slip.
11. Observe the pond water at 40X and 100X. Identify any organisms you see.
12. Write a brief description of what you observe (including any organisms you observe) on the new page of handout 15.
- 13. If you can:** make a scientific drawing of any organisms you observe. This may not be possible due to the relatively rapid movement of the microorganisms.
14. Repeat steps 10-11 with additional drops of water from your pond.
15. Rotate to red, lower the stage, remove the slide.
16. Throw away the cover slip and rinse/dry the slide. Paper towels are located in the cabinet below your sink at your table.
17. Shut down the microscope and return it to the proper cabinet at your table.
18. Return the pipette and microorganism sheet to the front table.
19. Return your pond to the correct spot (on top of the Post-It with your table number).
20. Take a laptop from Cart 1 (if none are available, use Cart 2).
21. Login and open Safari or Chrome.
22. Visit 7bscience.com and click on "CellCraft" in the navigation bar at the top of the page.
23. Follow the game instructions. Get as far as you can before class is stopped. *If the game does not let you pass to level 2, then go to the next step. Review your cell parts flash cards on your own.*
24. Quit Safari/Chrome and logout of the laptop. Return it to the correct cart and the correct slot in the cart. Plug it in so it charges.

I finished early, now what?

1. Review your flash cards for your cell parts quiz on Friday.
2. 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.