

Unit 2 make up lessons: <http://nkscience.weebly.com/unit-2-make-up-work.html>

## Lesson 2.3 (potatoes)

- **Part 1:**

-Make sure you start this make up assignment with plenty of time to ensure the virtual lab works on the computer you will be using. If not, be sure to plan ahead to use a library computer. You do not need to print any part of the lab. You will complete your work on your lined paper.

-Go to [http://www.glencoe.com/sites/common\\_assets/science/virtual\\_labs/LS03/LS03.html](http://www.glencoe.com/sites/common_assets/science/virtual_labs/LS03/LS03.html)

-Sketch the lab set up as it appears before you begin the procedure (the 3 beakers, 3 environments, 3 cells - include all labels)

-Read the lab background on the left side and write a sentence summarizing each paragraph (5 total)

-Complete the procedure. It is your responsibility to become familiar with the concepts so you are prepared to answer quiz and test questions that rely on you knowing these concepts.

-Once you've completed the procedure, click the "Journal" icon on the lower left side of the screen. Answer the 7 questions in complete sentences on your lined paper (rather than typing in the answers).

- **Part 2:**

-Rather than get your class's data, you will analyze data from another class. Copy this data into your 2.5 packet. (You may have space for 4 groups of each potato type, but this class only had 3 groups for each type, so you may leave the 4th row blank. If you were absent for Part 1, copy this chart onto your lined paper.)

-Calculate the averages to fill in the last row for each potato type and solution.

-Instead of answering the "Explain" questions in your packet, attach your labeled lined piece of paper to the packet and answer the following questions IN COMPLETE SENTENCES:

1. Overall, what happened to the mass of potatoes in the hypertonic solution? According to what you know about osmosis, does this make sense? Explain why or why not and support your words with a diagram to demonstrate what happened.
2. Overall, what happened to the mass of potatoes in the isotonic solution? According to what you know about osmosis, does this make sense? Explain why or why not and support your words with a diagram to demonstrate what happened.
3. Overall, what happened to the mass of potatoes in the hypotonic solution? According to what you know about osmosis, does this make sense? Explain why or why not and support your words with a diagram to demonstrate what happened.

*If you were present for Lesson 2.5 Part 1, STAPLE this Part 2 make up assignment to the back of Lesson 2.1 before you turn it in. If you were absent both days, you will just complete both parts above and turn that in.*