

Osmosis Lab – Discussion questions for lab Notebook:

Questions – Part B

1. Why did you compare % change in mass instead of just comparing change in mass?
2. Which pair(s) that you tested did not have a change in mass? How can you explain that?
3. If you compared 1M solutions to each other, what did you notice? How can you explain what you saw?
4. Does the protein solution have a high molarity? What is the evidence for your conclusion?
5. How could you determine if glucose is able to diffuse across the dialysis membrane?

Questions Part C

1. How do your results compare to the determinations you made in the *Elodea* or *Mnium*?
2. What would your results be if the potato cores were placed in a dry area for several days before your experiment?
3. When potatoes are in the ground, do they swell with water when it rains? If not, how do you explain that, and, if so, what would be the advantage or disadvantage?

REE PE PA Conclusion:

Try and integrate all 3 parts – the purpose was to learn about osmosis. Use evidence when describing osmosis in cells (you can use evidence from all 3 parts to support your claim)

Pick 1 error from each section and how to fix it

PA – think about the goal, what you saw, what you learned and then make connections.