Lab 2; Part 1 2-F

(My partner's and I's lab)

Title: Physiological instrumentation

Purpose: Familiarize ourselves with equipment

Procedure: Details (Make it reproduceable)

Results:

Dependent measured: 44.93 grams 50% sucrose (red)	**Measured**	**Dependent measured:** 442.80 grams 25% sucrose (blue)	**Measured**
Independent time: 5 minutes	48.30 grams	**Independent time:** 5 minutes	
10 minutes	50 grams	10 minutes	45.39 grams
20 minutes	52.74 grams	20 minutes	46.13 grams
30 minutes	55.85 grams	30 minutes	50.98 grams
40 minutes	58.66 grams	40 minutes	52.63 grams
50 minutes	60.58 grams	50 minutes	53.35 grams

Discussion: My lab partner and I started off by measuring sucrose red and sucrose blue. After we recorded how much it weighed in grams, we waited 5 minutes and weighed them again. We continued to repeat this process for 50 minutes. At the end of the 50 minutes, our final time that we were going to record, we observed that the sucrose red weighed more than sucrose blue at 60.58 grams versus 53.35 grams.

Conclusion: In conclusion to this lab, my lab partner and I observed that as time went by the 50% sucrose (red) weighed more. As for the other dependent being measured, 25% sucrose (blue) didn't increase in weight as frequently. We can observe that after the 50 minutes, the 50% sucrose (red) weighed about 7 grams more than the 26% sucrose (blue).

Part 2 (other lab pair's group)

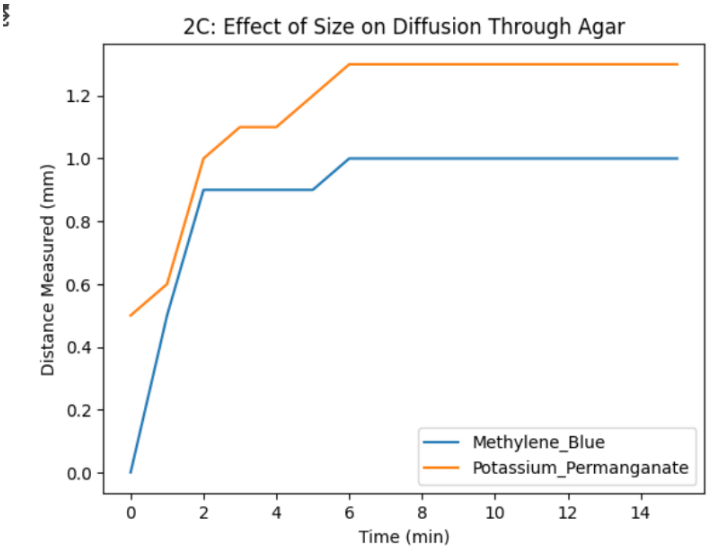
Title: Measurement of diffusion through agar

Purpose: To report, observe, and share results on how diffusion works

Procedure: The lab partners filled Petri dishes with agar. They then inserted/ poked two holes in the agar. Into one hole, they placed two drops of methylene blue. In the other hole, they placed

two drops of potassium permanganate. Lastly, they recorded the time and immediate diameter of each spot.

Results:



Discussion: From what I can see in this lab, it is that both the potassium permanganate and methylene blue started at the same measurement. Then, the methylene blue measured more at .9 versus potassium permanganate at .6. For the remainder of the lab, 12 minutes, the potassium permanganate measured more. The methylene blue measured the same for the remainder of the 12 minutes at 1.

Conclusion: In conclusion from this lab result that was conducted by another lab pair, I can see that although both potassium permanganate and methylene blue start at the same time, they do not have the same diffusion measurements. The potassium permanganate has a bigger diffusion at 15 min compared to methylene blue.