Diffusion and Osmosis Lab
RUBRIC 2018- 2019

SECTION **DESCRIPTION & POINTS POSSIBLE** **POINTS EARNED**

TITLE PAGE: Creative title (include IV, DV, and plant for part 4) and picture (centered) Lab group names and job assignments(+3) _____/3

ABSTRACT: Include all four parts of the lab and the onion cell lab. (+8)_____/8

DIAGRAMS: Include detailed colored diagrams of the set up for parts 1-4, including before and after for part 1, and the onion cell in all three solutions(+10) _____/10

RESULTS: (handwritten) _____/20

Part 1: Data table from lab and short summary (+5)

Part 2: Include table of your results (initial, final % change) and class average of all solutions, graph showing the relationship between % change in mass of the dialysis tubing and tonicity of the solution, and summary (+5)

Part 3: Include table of your results (initial, final % change) and class average of all solutions, graph showing the relationship between % change in mass of the potato and tonicity of the solution, and summary Including procedure # 8 & 9(+5)

Part 4: Include table of your results (initial, final % change) and % change of two other vegetables, graph showing the relationship between % change in mass of the vegetables and tonicity of the solution, and summary (+5)

DISCUSSION: Answer Questions from lab _____/9

Part 1 #1,3,4 &5

Part 2 #1,2,3,& 5

Part 3 #2

Part 4 #6(+9)

CONCLUSIONS: _____/10

Paragraph #1 CEE (Claim Evidence, Explanations) Needs to state the results from one of the sections of the lab or the onion lab Use evidence supporting the results. Needs an explanation of the results referencing our text.

Paragraph #2 PE (Possible Errors) Must discuss at least two errors, effect on the experiments and how to avoid these errors in the future

Paragraph #3 PA (Practical Applications) Must explain what you learned while performing the lab- this includes the use of vocabulary. Must explain connections in content. (+10)

Total:_____/60

Print and turn in one rubric with complete lab 11/7/18