

Put your name here
Put your partner(s) names here

Biology

Mrs. Sumner

Date

Title of Lab

- I. **Purpose:** *(What was the purpose of this lab? What were we looking to figure out by performing this lab?)*
- II. **Introduction:** *(This should provide adequate BACKGROUND information regarding the topic of homeostasis. What is homeostasis? Why is homeostasis important for normal body function? What examples of homeostasis do you know? How does heart rate and or breathing rate affect your homeostatic processes? This section needs to be AT LEAST one full paragraph. This section should also include **two in-text citations**. This consists of a sentence or two in quotations then (author's last name, page number).*
- III. **Hypothesis:** *(What did you hypothesize would happen your homeostatic processes throughout the lab?)*
- IV. **Materials:** *(What did you need to perform this lab?)*
- V. **Procedure:** *(what did you do to perform this lab? Give me a very thorough, step-by-step breakdown of what happened in the lab. Provide any warnings that need to go along with the lab procedure (for example, if your hands get too cold, get rid of the ice) **DO NOT USE PERSONAL or SECONDARY PRONOUNS (I, we, us, you)***
- VI. **Observations/Data:** Refer to attached lab document for data table and graph.
- VII. **Conclusion:** *(This is a VERY IMPORTANT part of this lab report. Here, you need to discuss your results and use **ACTUAL** data values you collected from the lab. Discuss whether or not your*

hypothesis was accepted or rejected and how you came to this conclusion. Discuss what the results show – why are they important? What do these results show us about how homeostasis functions? Are there ideal values that you would like to see during exercise? Why did the data turn out the way that it did? What was your graph predicting? USE YOUR NOTES! Discuss how this lab could be improved. Discuss any sources of error for this lab. Cite sources as needed)

VIII. Questions: Refer to attached lab document for questions and answers.

IX. References *(Include any outside resources used, aside from your class notes you need to use ONE other source and cite this source. Using 2 or more sources is recommended.) This section should include two scholarly journals that were read and found and cited in the document.*

Britannica, T. Editors of Encyclopaedia (2022, August 23). homeostasis. Encyclopedia Britannica.

<https://www.britannica.com/science/homeostasis>

Huang, L., Fang, Y., & Tang, L. (2021). Comparisons of different exercise interventions on glycemic control and insulin resistance in prediabetes: a network meta-analysis. BMC Endocrine Disorders, 21(1), 1–13.

Britannica, T. Editors of Encyclopaedia (2022, August 23). homeostasis. Encyclopedia Britannica.

<https://www.britannica.com/science/homeostasis>

Rostamizadeh, M., Elmieh, A., & Nia, F. R. (2021). Effect of different exercise trainings on β -cell function, insulin resistance, and osteocalcin levels in overweight men. Journal of Shahrekord University of Medical Sciences, 23(3), 116–123.