Lab Protocol: Module 16 — Microevolution

BIOL-1

Name: _____ **Date:** _____

Lab Title

[To be determined]

Overview

This lab protocol is a stub and will be developed with detailed procedures, materials, and safety information.

Learning Objectives

- Apply the Hardy-Weinberg equation to population genetics
- Model allele frequency changes over generations
- Understand mechanisms of microevolution (mutation, drift, selection, migration)
- Analyze the effects of small population size on genetic diversity
- Calculate and interpret allele and genotype frequencies

Estimated Duration

2-3 hours

Materials Needed

[To be listed]

Safety Considerations

[To be listed]

Procedure

[To be developed]

Data Collection

[To be developed]

Analysis Questions

[To be developed]

Conclusion

[To be developed]

Note: This is a placeholder document. Complete lab protocol to be developed.