

Lab Protocol: Module 17 — Speciation and Macroevolution

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

- Define biological species and reproductive isolation
- Model allopatric and sympatric speciation
- Analyze phylogenetic trees and evolutionary relationships
- Understand patterns of macroevolution including extinction
- Connect microevolutionary processes to speciation events

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.