

# Lab Protocol: Module 17 – Speciation and Macroevolution

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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.

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## 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]*

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