Lab Protocol: Module 11 — Mendelian Genetics

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 Mendel's laws of inheritance to genetic crosses
- Use Punnett squares to predict offspring phenotypes and genotypes
- Distinguish between dominant and recessive alleles
- Calculate phenotypic and genotypic ratios
- Analyze inheritance patterns in multiple generations

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.