

Lab Protocol: Module 05 — Membranes

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

- Describe the fluid mosaic model of membrane structure
- Observe osmosis and diffusion in living cells
- Differentiate between hypertonic, hypotonic, and isotonic solutions
- Understand selective permeability of membranes
- Analyze the effects of concentration gradients on cell behavior

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.