

Study Guide for Bio 103 First Lab Practical

The lab practicals are multiple-choice tests which correspond to the lab material in your lab book. The answers to the review questions at the end of the labs in the lab book as well as the material you must know for the lab practical is found in the introduction and procedure sections of the lab book.

Microscope lab (exercise 1) (Pages 1-6)

Student should:

- Recognize all components of the microscope.
- Know the function of each part of the microscope. (Listed on page 2 and illustrated on page 3)
- Read and know the procedure associated with microscope use.
- Know the meaning of the following related terms:
 - Field of view
 - Working distance
 - Depth of focus
 - Resolution
 - Contrast
- Know the magnification capabilities of:
 - The microscope
 - All objectives
 - The ocular
- Know how to correctly store the microscope.

Organic Molecule Lab (exercise 2) (Pages 16-20)

Student should:

- Know what substance is used to test for reducing sugars (simple carbohydrates).
- Recognize color changes which indicate a positive result for the presence of reducing sugars.
- Know what substance is used to test for starch.
- Recognize color changes which indicate a positive result for the presence of starch.
- Know what substance is used to test for protein.
- Recognize color changes which indicate a positive result for protein.
- Know what substance is used as a staining agent in testing for lipids.
- Know what an **emulsifier** is.
- Know what substance is used as an emulsifier in the lipid procedure.
- Know what values are neutral, acidic, and basic on the pH scale.
- Know what substance is used to test for acids and bases.
- Recognize color changes which are indicators of acids and bases.

Cell lab (exercise 3) (Pages 25-31)

Student should:

- Know the difference between **prokaryotic** and **eukaryotic** cells.
- Recognize various organelles associated with a typical plant and animal cell as they appear on the models of cells in the lab or on the diagrams in your book.
- Recognize all cell slides which were made in lab including:
 - Human Epithelium (from the cheek)
 - Elodea
 - Onion Epidermis
 - Potato

Lab Manual Uri Bio 103

Marco Cascella



Lab Manual Uri Bio 103:

Decoding **Lab Manual Uri Bio 103**: Revealing the Captivating Potential of Verbal Expression

In a period characterized by interconnectedness and an insatiable thirst for knowledge, the captivating potential of verbal expression has emerged as a formidable force. Its power to evoke sentiments, stimulate introspection, and incite profound transformations is genuinely awe-inspiring. Within the pages of "**Lab Manual Uri Bio 103**," a mesmerizing literary creation penned with a celebrated wordsmith, readers attempt an enlightening odyssey, unraveling the intricate significance of language and its enduring effect on our lives. In this appraisal, we shall explore the book's central themes, evaluate its distinctive writing style, and gauge its pervasive influence on the hearts and minds of its readership.

http://www.armchairempire.com/public/scholarship/fetch.php/Introduction_Philosophie_Husserl_Renaud_Barbaras.pdf

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