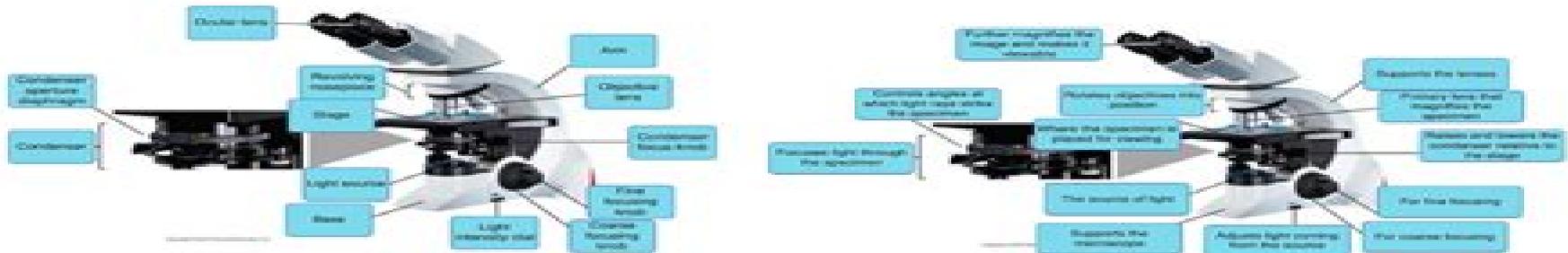


Microbiology Lab 3051 (Spring 2020) Mid-Term Laboratory Exam Study Guide

1. Know the parts of the microscope and their functions.



2. Know how to use the microscope (adjusting for proper viewing, getting an image into focus, using the oil immersion lens) and how to take care of a microscope.
3. Describe aseptic technique and understand why it is important.

1. Flaming the loop sterilizes it
 2. tube cap is removed
 3. flaming the tube tip sterilizes the surface
 4. only sterilized portion of loop enters tube
 5. the tube is flamed, tube is recapped
 6. loop is flamed again.
- Allow the loop to completely cool before obtaining your culture.
 - Aseptic technique prevents contamination of culture from foreign bacteria in the environment.
 - Also protect against microbes being released into environment and infecting people

7. Define and describe culture media.

- Culture media- nutrient preparation devised to support the growth (reproduction) of microorganisms
 - Includes macronutrients, micronutrients, trace metals, and growth factors
 - Agar plate, agar slant, nutrient broth, agar deep tube

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Cornell University Courses of Study Cornell University, 1992 **Critical Thinking and Reasoning** Daniel Fasko, Jr., Frank Fair, 2020-10-12 The Partnership for 21st Century Skills states that critical thinking encompasses skills that students and professionals will need to succeed in their careers school and life The demand for critical thinkers will increase in the future to meet the demands of world wide problems Educators need to show students how to eliminate errors such as biases in their reasoning and to be effective decision makers To do this teachers and leaders in schools and businesses need to provide an atmosphere conducive to developing critical thinking skills and dispositions Meeting this challenge is the goal of the chapters collected in Critical Thinking and Reasoning This book begins with experts laying out their best current understanding of the skills and attitudes critical thinking requires Next the relationship between critical thinking and the psychology of development and learning is explored to understand better how to develop critical thinkers from childhood to adulthood But how can we best teach for critical thinking How can we incorporate into the classroom the challenges presented in the workplace This book provides several extensive examples of current practices from the elementary level through the secondary level to the university level of how to stimulate critical thinking skills and dispositions *Index Medicus* ,2002 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings

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