

BIO 111 Principles of Biology Fall 2021

Laboratory Session #3: Studying the Microscopic World

LAST NAME: _____ FIRST NAME: _____ LAB SECTION: _____

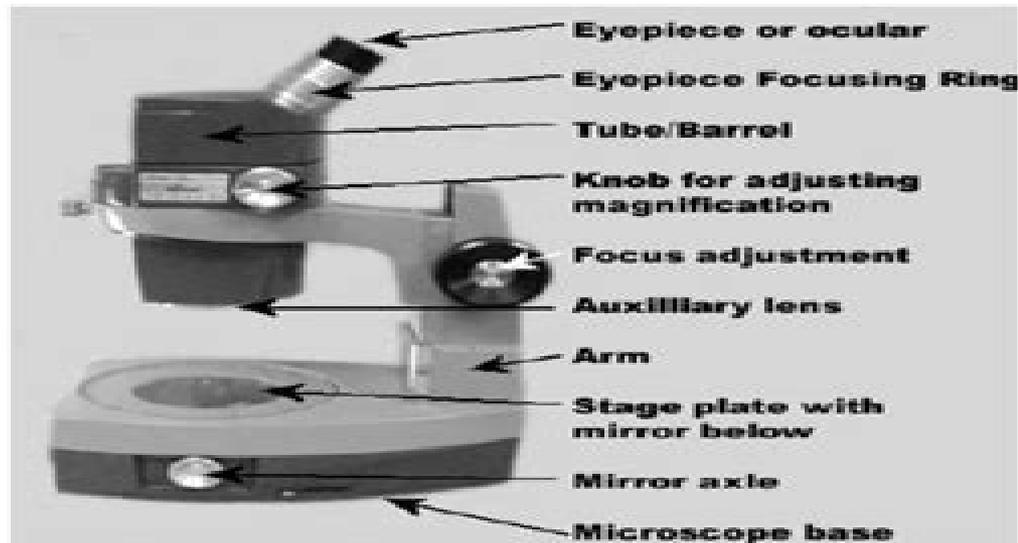
Lab Objectives for Lab Session #1:

Students will demonstrate their understanding of --

1. the different kinds of microscopes, how they are constructed, how they are used to study small features: dissecting, compound, and electron microscopes.
2. how microscopes allow us to visualize living creatures too small to see without magnification.
3. how to prepare living organisms for microscopic examination using wet mounts.
4. how to make and cell preparations from mouth swabs.
5. how to use staining with biological dyes to make transparent cellular organelles visible.

DISSECTING MICROSCOPES ARE USED FOR STUDYING SMALL ORGANISMS

Dissecting microscopes are constructed to allow a researcher to visualize small features while dissecting and to enable use of both hands in dissecting a specimen. These microscopes can also be used to study organisms that only need a small amount of magnification to observe while they are alive. Dissecting microscopes give good 3-dimensional view of the specimen being examined.



Principles Of Biology Lab Answers Ralife

M Tight



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