

PARTS AND FUNCTIONS

A. Coarse Adjustment

moves the body tube or stage up and down

B. Fine Adjustment

focuses for details

C. Medium Power Objective

usually 10X

D. Arm

used to tilt, lift, and carry microscope

E. Stage Clips

hold slides in position

F. Base

support, carry microscope with one hand under the base and one hand around the arm

G. Eyepiece

to view and help magnify the object

H. Low Power Objective

for initial viewing of an object, usually 4X or 5X

I. High Power Objective

for powerful detailed magnification, usually 40X-43X

J. Stage

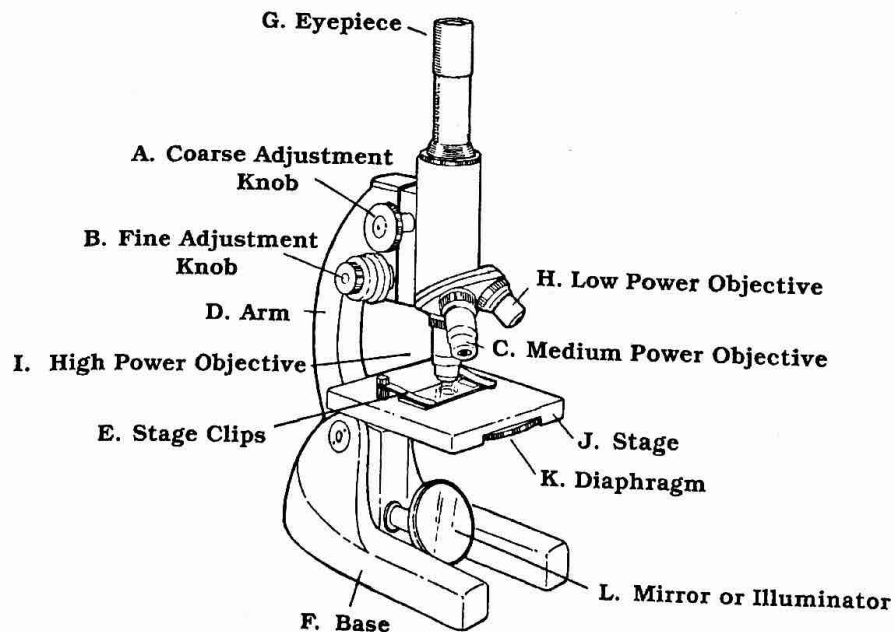
place for viewing the slide

K. Diaphragm

regulates the light coming through the stage opening

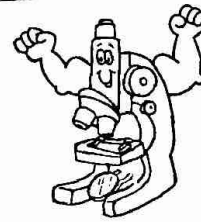
L. Mirror or Illuminator

to focus light through the stage to the eye



Finding the Powers of Magnification

Name _____



Step #1. Look at the eyepiece. Record the number you see.

Eyepiece # = _____

Step #2. Look at the microscope objectives. Record the number for each.

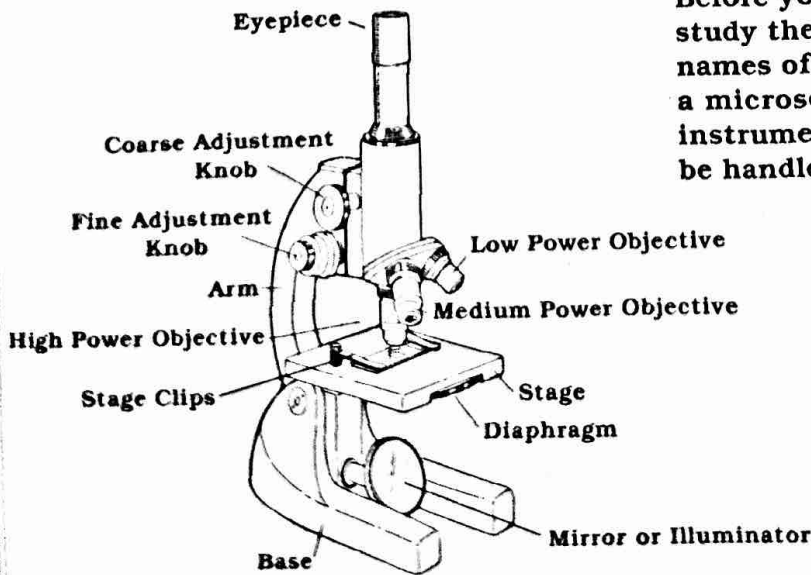
Short	First Objective Number	= _____
Medium	Second Objective Number	= _____
Long	Third Objective Number	= _____

Step #3. To find the powers of magnification of your microscope, take the number on the eyepiece and multiply it by the number on each of the objectives.

_____	_____	_____
Eyepiece #	First Objective #	Power of Magnification

_____	_____	_____
Eyepiece #	Second Objective #	Power of Magnification

_____	_____	_____
Eyepiece #	Third Objective #	Power of Magnification



Before you use a microscope, study the diagram and learn the names of its parts. Remember, a microscope is a delicate instrument and should always be handled with care.

