

Name _____
Compound Light Microscope
 Label each part and complete its description.

more than one lens

uses light to see specimen

Red-4x
 yellow-10x
 Blue-40x

A. Eye Piece

contains the ocular lens = 10x magnification of object.

B. Nose Piece

Holds the _____ - and _____ - power objective magnification lenses. _____ can be rotated to change magnification.

K. Arm

Used to hold the microscope when carried

J. coarse adjustment knob

Moves the stage up and down for focus

C. objective lens

Magnification ranges from 4 X to 40 X

fine adjustment knob

Moves the stage slightly to fine-tune the image

D. Storage Clips

holds the slide in place

E. stage

Supports the specimen being viewed

H. Diaphragm

Regulates the amount of light on the specimen

F. Light Source

Projects light upwards through the diaphragm, the specimen, and the lens

G. Base

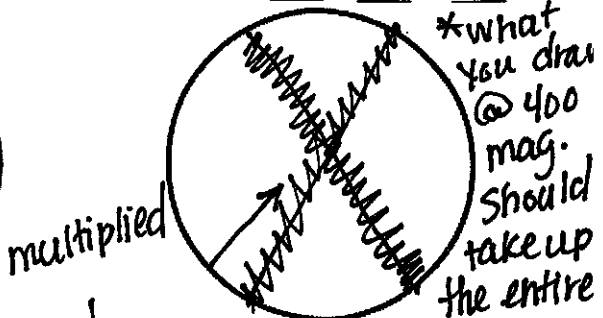
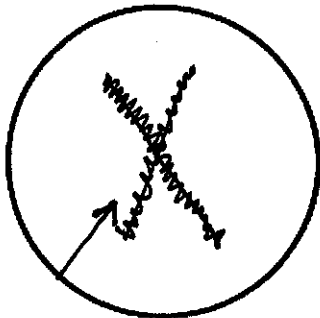
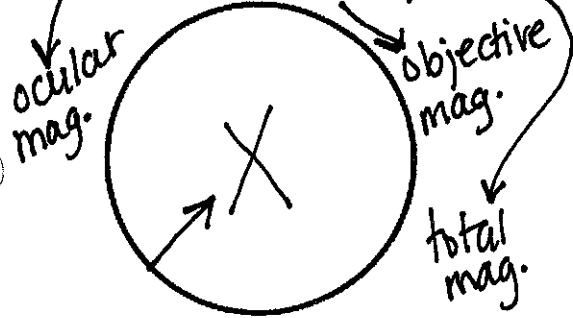
Supports the microscope

What happens as the power of magnification increases?

Power = 10 x 4x = 40x

Power = 10 x 10x = 100x

Power = 10 x 40 = 400x



total Magnification: ocular lens x objective lens