

# MAGNIFICATION

Magnification:

When you look through a microscope you are looking through two sets of lenses.

## Lens 1. The Eyepiece

Makes things look 10X times bigger.

## Lens 2. The Objective Lenses

We have three different objective lenses but we can only use one at a time.

Our objective lenses can do 4X, 10X, and 40X.

To figure out how much total magnification you see, use multiplication.

The x next to the number means how many "times" it is magnified. For example, 40x reads as "forty times" which means that the image you are looking at is 40 times bigger than in real life.

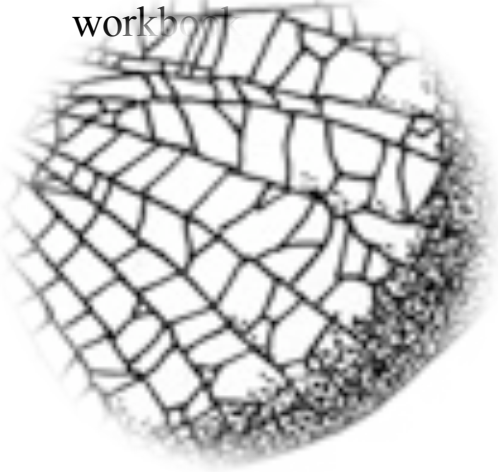


Eyepiece		Objective Lens		Total Magnification
10	X	4	(low)	_____
10	X	10	(medium)	_____
10	X	40	(high)	_____

**Every picture that is drawn or photographed should be marked with the magnification!**

**Practice this today**

Homework: Finish Paragraphs 6-10 of Reading A, P. 171 of workbook



Objective \_\_\_\_\_

Magnification 10 x \_\_\_\_ = \_\_\_\_



Objective \_\_\_\_\_

Magnification 10 x \_\_\_\_ = \_\_\_\_



Objective \_\_\_\_\_

Magnification 10 x \_\_\_\_ = \_\_\_\_