

Microscopes!

What is a microscope?

- ▶ A microscope is a device that produces magnified images of structures that are too small to see with an unaided eye.
- ▶ **Types of Microscopes:**
 - ▶ Dissecting microscope produces magnified images by focusing visible light rays.
 - ▶ Compound light microscope allows light to pass through the specimen and use two lenses to form an image.
 - ▶ Electron microscope uses beams of electrons to produce magnified images.



Microscopes (Cont.)

Important!

Handle the microscope with care

One hand holds the arm and place one hand under the base.



Field of View:

The area you see when looking into the objective

Magnification:

Under the field of view, write the Magnification you are looking at.



40x

Microscope Lab Activity



Sample 1

← Draw your field of view and label your magnification

1. What did you notice about the sample.
2. Why do you think it looks that way?



Three Threads ← Draw and color your field of view and label your magnification. *Use the Fine Coarse Knob to see layers*

1. List the order of threads from top to bottom.
2. How did you figure out the order?



Sample 2

← Draw your field of view and label your magnification

1. What did you notice about the sample.
2. Why do you think it looks that way?