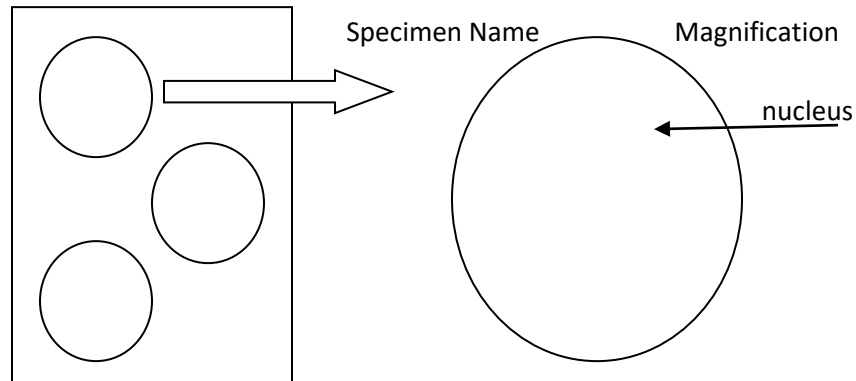


How To with a Microscope

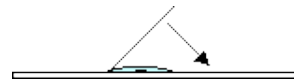
Drawing Specimen

1. Drawings MUST be in **PENCIL**. Drawings in pen are UNACCEPTABLE.
2. No more than THREE drawings per side of page. Each circle must be neatly drawn (trace something) and include a clear, proper heading (see picture).
3. If asked to label parts of a specimen, the arrow should start on the **outside** of the circle and end touching the object they are labeling. Be sure to include the **pointer** from the eyepiece in your drawing.



Making Wet Mounts

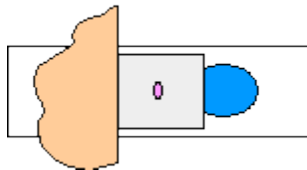
1. Gather a **THIN** slice of your specimen. You don't want the coverslip to waddle on top (see below).



2. Place a couple drops of water (enough to cover the specimen).
3. Place the coverslip at a 45° angle (approximately) at the edge of the water and let it drop onto the slide. This should push any air bubbles out of the field of view. (see above)

Staining a Slide

1. Place one drop of your stain on the **SLIDE** next to the coverslip so it slides under the coverslip. Place the flat edge of a paper towel on the other edge of the coverslip. (You might have to nudge the coverslip with the paper towel to begin absorbing the water. As the water is absorbed into the paper towel, the stain will be drawn around the specimen (thanks to the cohesive property of water due to hydrogen bonding). (see below)



2. Be sure to **wipe off the excess stain** so you don't stain the objective lenses.

Cleaning Up

1. When you have finished viewing your specimen, you may throw it in the trash. **Wash and dry both the slide AND the coverslip** and return them to the container of supplies.
2. Unplug the microscope, wind the cord around the arm, and return it to the rolling cart.
3. ALL materials must be put away before students may leave class.