

Working with Microscopes

1. Use the diagram of the microscope to label the following parts:
 - iris/diaphragm
 - coarse focus knob
 - fine focus knob
 - arm
 - stage
 - light source
 - base
 - ocular lens
 - objective lens

2. Get a sample slide from the front of the room and put it on the stage of your microscope.
 - always start by using the low power (40 X - red) objective lens
 - focus on the slide (using coarse focus knob) and centre an object of interest
 - **only then** should you swing the medium power (100 X - yellow) lens into place
 - **Be careful** using the high power (400 X - green). It is very easy to focus the stage upwards, break the slide and damage the lens.

3. Using low or medium power, complete a drawing of the item on your slide below.
 - It must be in pencil
 - Use a watch glass to draw a circular field of view
 - Drawings must be drawn to scale
 - Drawings must include a title, the magnification it was viewed at, and the microscope # used