

### Getting to Know Your Microscope

Identify the parts of your microscope, and check them off on the list below as you find them. Label each part with masking tape. Not all microscopes will have all parts.

- Eyepiece (lens)
- Objective (lens)
- Stage
- Light source
- Focus knob(s)
- Other: \_\_\_\_\_
- Other: \_\_\_\_\_
- Other: \_\_\_\_\_

Now complete the following about *your* microscope.

My microscope is a ~~simple~~ compound microscope.  
(CIRCLE ONE)

My microscope has 4 objectives  
NUMBER  
*(the lens or lenses not located in the eyepiece)*

The magnifications of my objective lens or lenses are:

Objective 1: 4x      Objective 2: 10x      Objective 3: 40x & 100x

The magnification of my eyepiece lens is: two pairs of widefield eyepieces (WF10X, WF20X),

The lowest total magnification (mag.) for my microscope is:

$$\left( \frac{10}{\text{LOWEST OBJECTIVE MAG.}} \right) \times \left( \frac{4}{\text{EYEPIECE MAG.}} \right) = \frac{40}{\text{TOTAL MAG.}}$$

The highest total magnification for my microscope is:

$$\left( \frac{20}{\text{HIGHEST OBJECTIVE MAG.}} \right) \times \left( \frac{100}{\text{EYEPIECE MAG.}} \right) = \frac{2,000}{\text{TOTAL MAG.}}$$