**Objective 1: I can \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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Microscope:

* This part of the microscope holds the slide in place \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* This part of the microscope controls the amount of light \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* This part of the microscope holds the slide \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* When carrying a a microscope you carry it by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and hold it \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to your body

**Objective 2: I can follow the steps to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Always observe using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ POWER objective first.
2. Focus using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ADJUSTMENT KNOB to bring the object into focus. Bring the object into sharp focus by using the fine adjustment knob.This is ONLY USED ON \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ POWER
3. Focus, and then move to a higher power objective, if needed.
4. Use only the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ADJUSTMENT KNOB when using the HIGHEST (longest) POWER OBJECTIVE.
5. Keep both eyes open to reduce eyestrain.
6. Determine total magnification of the object by multiplying the power of the ocular (10x) the power by the power of the objective.

**Total Magnification of Each power**

LOW : Eyepiece 10x x low power 4x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

MED : Eyepiece 10x x med power 10x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HIGH: Eyepiece 10x x high power 40x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objective 3: I can describe the steps to making a \_\_\_\_\_\_\_\_\_\_\_ slide.**

1 – Get a clean slide and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ from your teacher.

2 – Place **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** drop of water in the middle of the slide over your specimen. Don’t use too much or the water will run off the edge and make a mess!

3 – Place the edge of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on one side of the water drop.

4 - Slowly lower the cover slip on top of the drop

5 – Place the slide on the stage and view it first with the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ power objective. Once you see the image, you can rotate the nosepiece to view the slide with the different objectives.