

Objective 1: I can identify the _____



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.

Objective 3: I can calculate the _____ of each objective _____ on the microscope

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 4: 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.