|  |  |  |
| --- | --- | --- |
| Objective Magnification | Eyepiece magnification | Total Magnification |
| 4X |  |  |
| 10X |  |  |
| 40X |  |  |

How to use a microscope:

1 – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the microscope and then rotate the nosepiece to click the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ into place.

2 – Place a slide on the stage and secure it using the stage clips. Use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (large knob) to get it the image into view and then use the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(small knob) to make it clearer.

3 – Once you have the image in view, rotate the nosepiece to view it under different powers. Draw what you see on your worksheet! \*Be careful with the largest objective! Sometimes there is not enough room and you will not be able to use it! \*

4 – When you are done, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the microscope and clean up or put away the slides you used.

H**ow to make a wet-mount slide …**

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

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

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

4- Slowly\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the cover slip on top of the drop.

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

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

Cover Slip

Lower slowly