**Introduction To The Light Microscope**

**Introduction**: If you missed the microscope lab we did in class, you will need to make it up by using a**"virtual microscope"** which can be accessed on the internet. The virtual microscope is a little more complicated than the microscope we used in the lab, but with patience, you should be able to complete this activity.

Access the Virtual Microscope at [http://www.udel.edu/biology/ketcham/microscope/](https://www.udel.edu/biology/ketcham/microscope/) - Click on the link that says "the virtual scope"

1. Familiarize yourself with the microscope, **run the tutorial** and examine the parts you will be working with.

a. How many objectives are on the virtual microscope? \_\_\_\_\_\_\_\_\_\_\_\_\_

b. What are the numbers listed on each of the objectives? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. You will be looking at the slide (top right) labeled "letter e". Follow the tutorial and use the microscope adjustments to focus the "e" on each of the objectives.

**Draw the "e" exactly as it appears**

|  |  |  |
| --- | --- | --- |
| Scanning (4)circle | Low (10)circle | High (100)circle |

3. Which letter on the microscope points to the

 OCULAR \_\_\_\_\_\_\_\_
 COARSE ADJUSTMENT \_\_\_\_\_\_
 FINE ADJUSTMENT \_\_\_\_\_\_
 STAGE CENTERING \_\_\_\_\_\_



4 . Now view several microscope images of "common things". Go to [www.biologycorner.com/microscope/](https://www.biologycorner.com/microscope/)

After viewing the images, go to the quiz. Write down the names of the specimens for each letter.

 A. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 B. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 C. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 D. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 E. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 F. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 G. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 H. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_