



# Microscope Safety!

Name:

Date:

Block:

1. Always carry the microscope with \_\_\_\_ hands - one on the \_\_\_\_\_ and one underneath the \_\_\_\_\_ of the microscope. Hold it up so that it does not hit tables or chairs. Never swing the microscope.
2. Do not touch the \_\_\_\_\_. If they are dirty, please raise your hand and ask the teacher for the special lens paper to clean the lenses.
3. Be cautious when handling \_\_\_\_\_ and \_\_\_\_\_. Please do not handle broken glass - notify teacher.
4. If using a microscope with a \_\_\_\_\_, turn off the light \_\_\_\_\_ unplugging the microscope.
5. Use the \_\_\_\_\_ lens first and use the \_\_\_\_\_ knob to focus the image. Then use the \_\_\_\_\_ lens and use the \_\_\_\_\_ knob make further adjustments. To \_\_\_\_\_ the image, switch to the \_\_\_\_\_ lens and use the \_\_\_\_\_ knob.
6. Always clean slides and microscope when finished. Store microscope set on the \_\_\_\_\_ objective lens with the \_\_\_\_\_ turned down to its lowest position (using the coarse adjustment knob).
7. Wrap the cord around the microscope safely. Cover microscope with \_\_\_\_\_ and return microscope to storage if so requested.

---

## In the lab!!

1. Write the each of the following terms on a sticky note provided.

Eyepiece	Arm	Revolving nose piece	Objective lenses
Stage	Stage clips	Light source	Base

2. Label your microscope using the sticky notes.
3. Show your teacher!
4. Now you may begin the microscope activity on the following page!

# Microscope Activity!!

Step 1. Get a microscope and bring it to your work table safely.

Make sure the low power objective lens is in position.

What is your total magnification? \_\_\_\_\_.

Step 2. Take a slide prepared by your teacher.

Step 3. Place the slide on the stage and clip it in place with stage clips.

Look through the eye piece to ensure that specimen is in your field of view.

Step 4. Turn the coarse focus knob to focus the image.

**Step 5. Move the slide to the left. What do you notice? \_\_\_\_\_.**

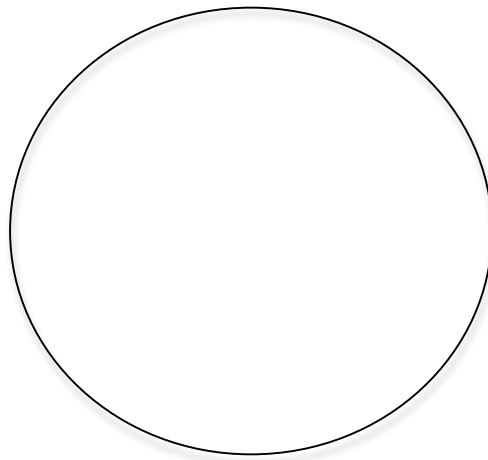
**Step 6 Move the slide away from you. What do you notice? \_\_\_\_\_.**

Step 7. Change to medium power objective lens.

What is your total magnification? \_\_\_\_\_.

Step 8. Turn the fine focus knob to further focus the image.

Step 9. Draw what you see in the space below:



Step 10. Put away the microscope safely.