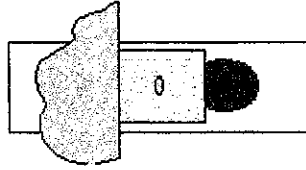


HOW TO STAIN A SLIDE

1. Place one drop of stain on one edge of the coverslip, and the flat edge of a piece of **paper towel** on the other edge of the coverslip. The paper towel will draw the water out from under the coverslip, and the cohesion of the water (due to those perennial favorites - **Hydrogen Bonds**) will draw the stain under the coverslip.



2. As soon as the stain has **covered the area containing the specimen** you are finished. The stain does **not** need to be under the entire coverslip. If the stain does not cover the area needed, get a new piece of paper towel and add more stain until it does.
3. Be sure to **wipe off the excess stain** with a paper towel, so you don't end up staining the objective lenses.
4. You are now ready to place the slide on the microscope stage. Be sure to follow all the instructions on the previous pages as to how to use the microscope.
5. When you have completed your drawings, be sure to **wash and dry both the slide and the coverslip** and return them to the **correct places!**
6. All slides must be put away **in the proper trays!** Students **will not leave** until all materials have been put away **properly**. You are a **team!**

CLEANUP

1. Store microscopes with the scanning objective in place.
2. Wrap cords and cover microscopes.
3. Wash slides in the sinks and dry them, placing them back in the slide boxes to be used later.
4. Throw coverslips away.

TROUBLESHOOTING

Occasionally you may have trouble with working your microscope. Here are some common problems and solutions.

1. Image is too dark!
Adjust the diaphragm, make sure your light is on.
2. There's a spot in my viewing field, even when I move the slide the spot stays in the same place!
Your lens is dirty. Use lens paper, and only lens paper to carefully clean the objective and ocular lens. The ocular lens can be removed to clean the inside.
3. I can't see anything under high power!
Remember the steps, if you can't focus under scanning and then low power, you won't be able to focus anything under high power.
4. Only half of my viewing field is lit, it looks like there's a half-moon in there!
You probably don't have your objective fully clicked into place.