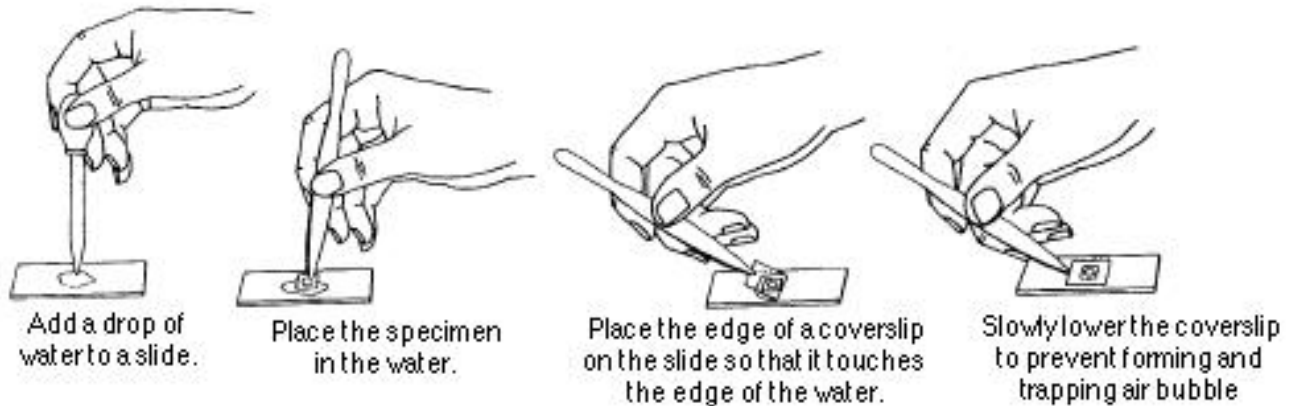


Microscope Exploration

Wet Mount



Formal Biological Drawings

- Blank paper
- Sharp pencil
- Fill $\frac{1}{2}$ page minimum
- Title including specimen name, mount, total magnification
(ie. *Pinus* sp. stem, cross section, low power)
- Name & date in top right
- Calculations for actual size and drawing magnification
- Label structures on right side only
- Ruler for label lines, don't cross lines
- No shading – stipple to show colour variation/shadow
- Observations (colour, texture, movement, stain etc.)

<u>Title</u>	Name, Date
	A.S. = D.M. =
Observations	

Assignment:

1. Practice using the both the dissecting microscope and the compound light microscope to observe a variety of specimens
2. Prepare wet mounts of a letter cut from newsprint and threads and answer the questions below
3. Complete one biological drawing of a specimen of your choice

Questions

1. When observing the letter under the microscope what do you notice about its orientation? (backwards/forwards/upside down/right side up etc.) Sketch what you see:
2. Move the slide with the letter away from you, what direction does the image move?
Move the slide to the right, what direction does the image move?
3. How thick is one piece of thread? Show your calculations:
4. Under high power observe the area where two or more threads cross. Is it possible to have all the threads in focus (clear) at once? Why or why not?
5. What is meant by depth of field?