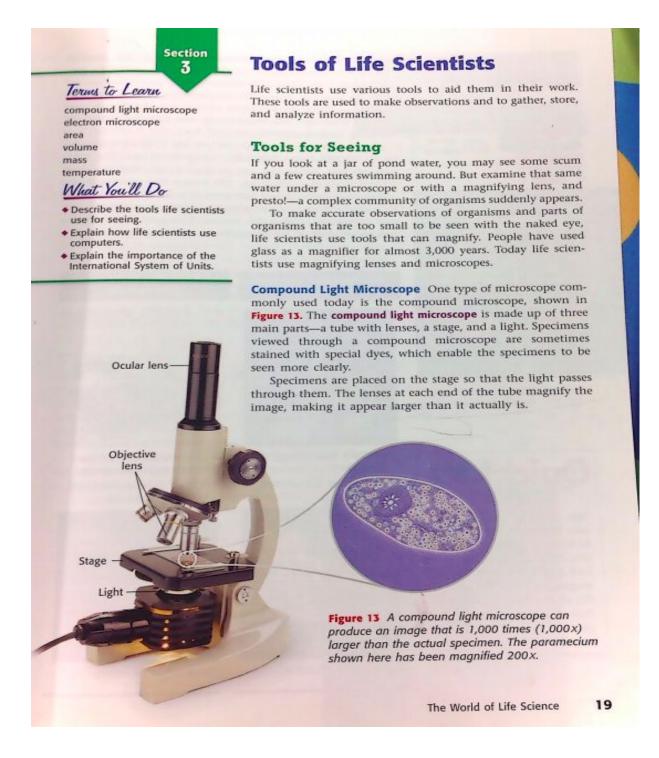
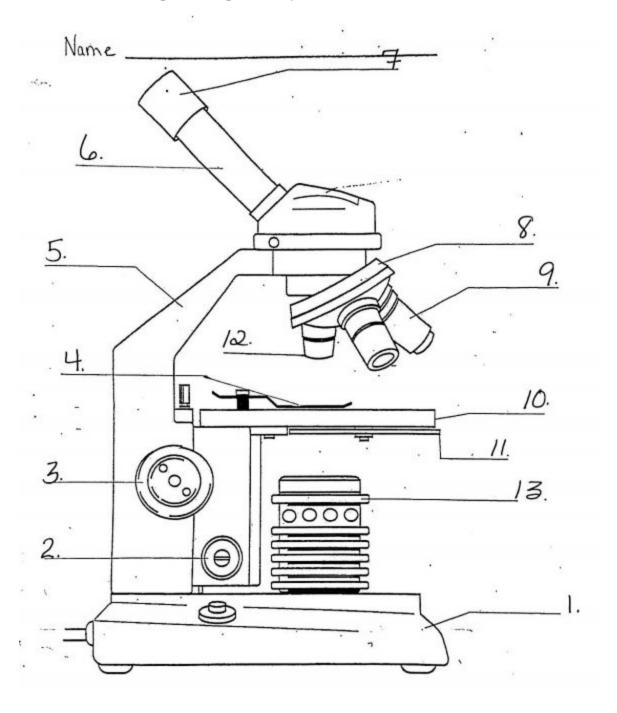
Part 1 - Read page below



Part 2 - Label a diagram ...again...to practice:



Part 3 - Carrying Microscopes:

Microscopes are expensive, so we must be careful using them and moving them from place to place.
How many microscopes can you carry at one time?
2) Name the two parts of the microscope you use to carry it. and
3) Why is it a good idea to keep your microscope at least 10 cm from the edge of the table?
4) Why must you be careful when focusing with the high power objective lens? What precautions should you take?
Part 4 - Magnification
1) What is the magnification power of the lens in the eyepiece (ocular) of our classroom microscopes?
X
2) Our microscopes have three objective lenses. Give the magnification power of each objective lens:
Shortest objective lense= low power = X
Medium objective lense= middle power = X
• Longest objective lense= high power = X

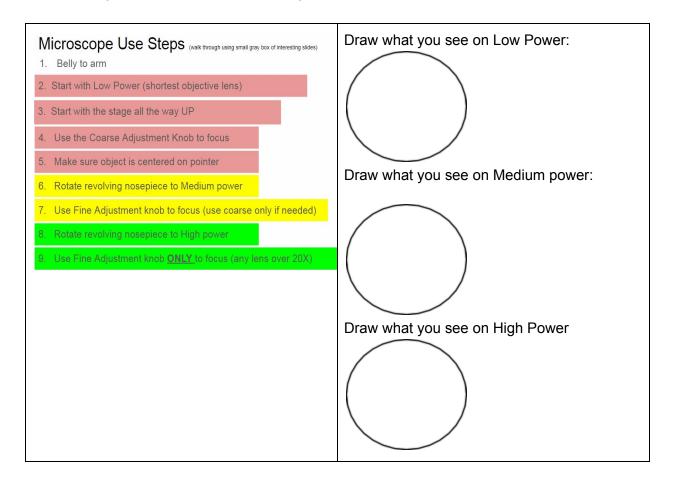
3) To calculate the total	al magnification of eac	ch objective, you must	multiply:	
magnification power of o	ocular X magnification p	power of objective lense	= TOTAL magnificati	
Calculate the total magnification of each objective.				
	Ocular Magnification	Objective Magnification	Total Magnification	
Low Power				
Medium power				
High Power				
4) Why should you always use the low power objective to locate objects on the slide, even if you plan to observe with medium or high power?				

5) When switching to high power, which adjustment knob should you use to focus?

Explain.

Part 5 - Field of View Circles:

1. **Ruler -** Place the ruler on the stage of the microscope. Millimeter marks should be over the light source. Secure it with stage clips. Follow the steps of microscope use below:



2. **Other slide -** Place the slide on the stage of the microscope. Millimeter marks should be over the light source. Secure it with stage clips. Follow the steps of microscope use below:

