Name		Date	F	Period
	Microsco	pe Webquest		
I. Parts, History an	d function of the Micro	scope		
Go to http://www.	biologycorner.com/micr	oquiz/index.html#		
a)	Label the parts of the	microscope		
Go to http://www.microscope .	cas.muohio.edu/mbi-ws	/microscopes/index.	html click on Hist	ory of the
• List the 4 scien	tists responsible for the	discovery or inventi	on of the microsco	ppe.
1	a. Father that help	ed create the first co	mpound microsco	pe.
2	a. Son that took o	ver the production o	f the first compou	nd microscope.
3		der the microscope	and coined the wo	rd cell in 1665.
4	a. Created the fi Protozoan's.	irst simple microscoj	pe. First to describ	e bacteria &
Click on the "Type	es of Microscopes" butto	on and complete the	table below.	
			Sanning	Transmission

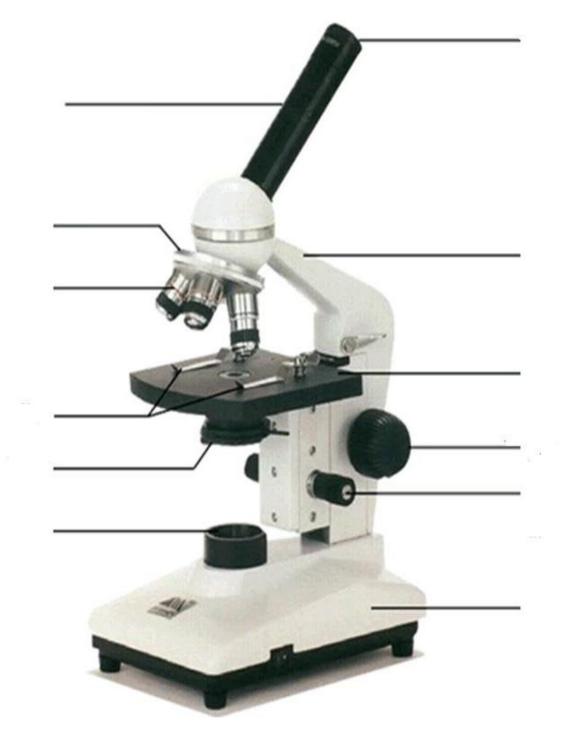
1.

2.

3.

	Compound	Dissection	Scanning Electron	Transmission Electron
Description				
Cost				
Radiation source				
Magnification adjustments				

4.	Click the back button. Click on compound microscope. Then click on "Magnification" a) How do you calculate the total magnification?	
5.	Click the back button. Click on Resolution. Define the following:	
	a) Magnification	
	b) Resolution	
6.	Scroll to the bottom of the page and Click on "Using the microscope" and answer the question A. When you carry a microscope you have one hand under the and the other hand on the	s.
	B. Which part of the microscope do you turn to raise the body tube?	
	C. Which part of the microscope do you turn to place the low power objective in place?	
	D. What is the name of the part of the microscope where you set the slide?	
	E. What is the name of the part of the microscope that you use to hold the slide in place	?
	F. When turning the revolving nosepiece to move the high power objective in place, wl must you be very careful?	ıy
	G. Which part of the microscope do you turn to bring the object into focus?	
	·	
	Click on Compound Light Microscope. Then click "Parts"	
	Review the parts of the microscope by clicking on each name.	
	• Click on Diagram/Self Quiz. List the parts	



- Click on activities.
- Click on "e' lab. You will complete this lab in class tomorrow, please read through this lab carefully. Answer the following questions.

1. turned	What happened to the letter e when it was observed under a microscope? It
turricu	and .
	anu
2.	What happened when the letter e was moved to the left?

3. What would you do to determine the position of each colored thread?

Microscope fill in the blank exercise-

http://nhscience.lonestar.edu/biol/dropdrag/using.htm

40X center coarse coarse condenser fine lens tissue low power low power mechanical stage objective ocular other parfocal slide movement slightly specimen specimen specimen spring clip switch up viewing field

	Clean the entire lens with special grit free only. Plug in the cord
and	on the light. Obtain a prepared slide and place it on the
anchor	ing it with the Move the slide with the mechanical stage knobs until the
	appears to be directly on top of the in the center of the
stage.	Always start focusing with the scanning in place. Use the
adjustr	nent knob to move the stage all the way Now look through the
Using t	the adjustment knob, lower the stage down slowly until the
	comes into view. Center the in the field of view by turning
the	knobs. To go to a higher magnification rotate the objective
in place	e. Again use the adjustment knob to focus. You need to turn the knob only
slightly	to focus because the microscope is This means that when objects are in
focus a	at one magnification, they will remain in focus at magnifications. Once
again _	the part of the image that you want to see in detail in the center of the
	Finally to go to high power you rotate the nosepiece to the
objecti	ve. You now will focus the image by turning theadjustment knob very
	to focus. If you centered the part of the image you wanted to see
in	you should now see the detail somewhere in the view