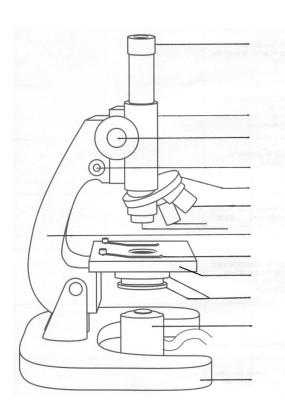
Date: _____

The Compound Light Microscope

TASK

Refer to page 605 in your text to:

- 1. Name each of the structures described in the table to the right.
- 2. Match each structure to the letter in the diagram below.



Letter	Structure	Function			
		 joins body tube to base 			
		 supports the entire microscope 			
		 contains the ocular lens supports objective lenses 			
		 moves body tube up and down to focus object used with only with low-power objective lens 			
		 controls the amount of light reaching the object 			
		 used to look through to see object magnifies image, usually by 10X 			
		 moves tube to get object into sharp focus used only with medium and high-power 			
		 used to illuminate object being viewed 			
		 magnify the object three possible magnifications: low power (4X), medium power (10X), high power (100X) 			
		 rotates the objective lens to be changed 			
		 holds the slide in position on stage 			
		 supports the microscope slide 			

** ALWAYS USE TWO HANDS TO CARRY A MICROSCOPE**

Using the Microscope

- Carry the microscope with one hand on the arm, & the other on the base
- Place the microscope gently on the table
- Plug the microscope in, and turn on the power
- Rotate the nosepiece to the lowest power
- Lower the stage
- Place the prepared slide on the stage, under the stage clips
- While looking from the side, raise the stage as close as possible to the objective lens, without touching it
- While looking through the eyepiece, lower the stage using the coarse adjustment knob until the image comes into view
- Use the fine focus knob to obtain the best image
- If you need to use a higher objective lens, watch from the side as you rotate the nosepiece to ensure the lens does not touch the slide

Storing the Microscope

- Turn the objective lens to lowest power, lower the stage, & remove the slide
- Turn off the light, unplug the cord, & wrap the cord neatly around the microscope
- Use two hands to carry the microscope back to the storage area
- Place the protective bag over the microscope before you store it away

Scientific Drawing Checklist

(Use v or X to indicate whether each is doe correctly or not)

Artist's name:

Marker's name:

- drawing done on blank paper
- drawing done with sharp pencil
- firm clear lines (no sketching)
- no shading/colour used
- only relevant and easy to see details included
- large circle drawn to contain drawing
- labels are neatly printed
- labels located on right side of drawing
- labels listed in an even column
- label lines are parallel and drawn with a ruler
- label lines do not cross
- name and date in top right corner
- appropriate (specific) title located at top
- title underlined
- total magnification indicated in bottom right corner

QUALITY OF DRAWING + 1 + 2 + 3 + 4 + 5

TOTAL

/20

Comments:

Single Drawing Checklists

Scientific Drawing Checklist (Use V or X to indcate whether each is done correctly or not)				Scientific Drawing Checklist (Use V or X to indicate whether each is done corectly or not)				
Artist's name:				Artist's name:				
Marker's name:				Marker's name:				
drawing done on blank paper				drawing done on blank paper				
drawing done with sharp pencil				drawing done with sharp pencil				
firm clear lines (no sketching)				firm clear lines (no sketching)				
no shading/colour used				no shading/colour used				
only relevant and easy to see details included				only relevant and easy to see details included				
large circle drawn to contain drawing				large circle drawn to contain drawing				
labels are neatly printed				labels are neatly printed				
labels located on right side of drawing				labels located on right side of drawing				
labels listed in an even column				labels listed in an even column				
□ label lines are parallel and drawn with a ruler				label lines are parallel and drawn with a ruler				
label lines do not cross				label lines do not cross				
name and date in top right corner				name and date in top right corner				
appropriate (specific) title located at top				appropriate (specific) title located at top				
□ title underlined			title underlined					
total magnification indicated in bottom right corner				total magnification indicated in bottom right corner				
QUALITY OF DRAWING + 1 + 2 + 3 + 4 + 5				QUALITY OF DRAWING + 1 + 2 + 3 + 4 + 5				
TOTAL	/.	20		TOTAL		/20		
Comments:			a					
				nments:				