

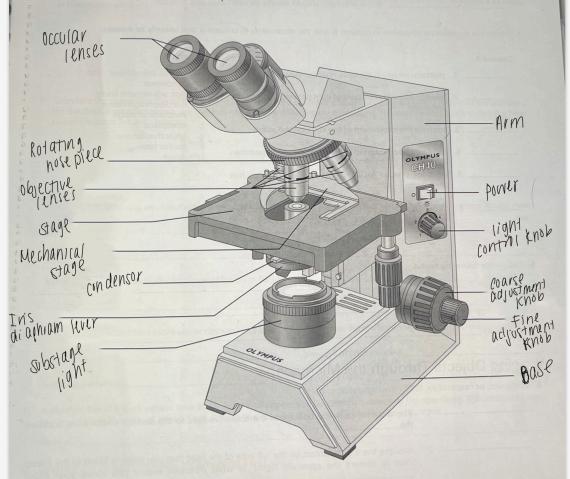
REVIEW SHEET The Microscope

Name VAI MTINA SANCHEZ

_ LabTime/Date

Care and Structure of the Compound Microscope

1. Label all indicated parts of the microscope.



2. Explain the proper technique for transporting the microscope.

The microscope sits opright, one nand is on the aim and the other

Review Sheet 3

Partocal	— 5. Why should the light be dimined when sooning the same state of the same state o
1 0-10000	If, after focusing in low power, you need to use only the fine adjustment to focus the specimen.
.75	at the higher powers, the microscope is said to be
,5	proximate field size with a 30× objective is mm.
	B. If the diameter of the low-power field is 1.5 mm, an object that occupies approximately a third
	of the stield has an entirested diameter ofmm.
You have been asked low-power field.	Ot that field has all eletter F on it (as shown below). In the circle below, draw the F as seen in the
Estimate the length	(longest dimension) of the object in µm:
Total magnification Field diameter = 1. Length of object = Say you are observ	6 mm 10 6 7 µm In the low-power field. When you switch to high power, it is no longer in your field of view. In an object in the low-power field. When you switch to high power, it is no longer in your field of view.
Chan	TH'S going H Occur. This is occur will narrow go to a higher power the focus will narrow do initially to prevent this from happening? Center the object
-	factors increase or decrease as one moves to higher magnifications with the microscope? This would be supported to higher magnifications with the microscope?
). Do the following	factors increase or decrease as one moves to higher magnifications with the LINCHUSE amount of light needed: LUCYLUSE depth of field: LUCYLUSE depth of field: LUCYLUSE depth of field amount of light needed: LUCYLUSE depth
resolution:	CLECKERSE depth of field:
working distance	
A student has the ing distance of a	depth of field: depth of field: high-power lens in position and appears to be intently observing the specimen. The instructor, noting a viole high-power lens in position and appears to be intently observing the specimen. The instructor, noting a viole high-power lens in position and appears to be intently observing the specimen.
How 50?	

Why should the light be dimined when looking at living (nearly transparent) cells?

Increase the contras

12) Only half of the field is illuminated:

The lenge is not in the ngM

The Visible field does not change as the mechanical stage is moved.

The slides could be struck.