

1 - back the lenses  
2 - but the stages - you  
be the 4x power by coarse adjustment (low the  
-0.5 (high, low)

BIRZEIT UNIVERSITY

Department of Biology and Biochemistry

BIOLOGY 111 LAB

Quiz#1

Name and ID:

[Redacted Name and ID]

Circle the correct answer.

1) Your microscope has an eyepiece lens of a magnification power of (10x). A high power objective lens with a magnification power of (40x) was used to view an object. The total magnification for the object is:

- (A) 40      (B) 400      (C) 4000      (D) 10

2) When you have finished using the microscope, you have to shut down and put the microscope back in to the assigned cabinet. Explain your steps.

3) Protozoa and protists belong to:

- (A) Eubacteria domain      (B) Archaea domain  
(C) Eukarya domain      (D) A+C

Circle the correct answer (True/False).

4) When preparing wet mount slide you should place a drop of water at the edge of a microscopic slide, place a glass cover slip at 45-degree angle to the drop of water with one edge of the cover slip on the slide and then quickly lowering the cover slip over the drop.

- (A) True      (B) False

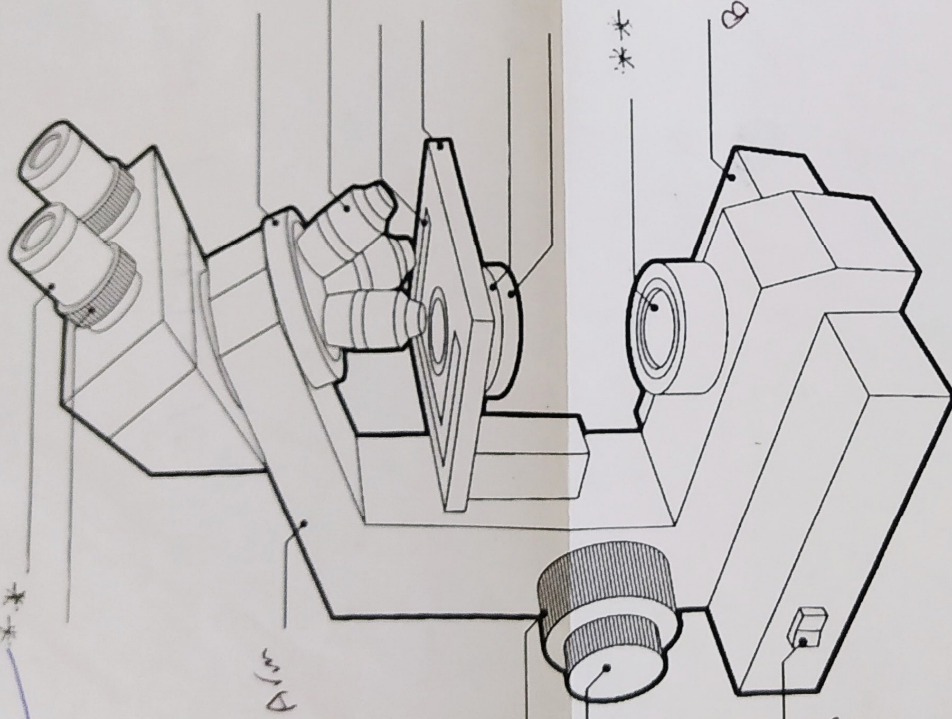
5) Look at the last page (page 3 of 3) titled "Parts of a Microscope" and identify only the parts that have (\*). Fill in the spaces with the correct number from the following microscope parts:

1 - Arm, 2 - On/Off switch, 3 - Base, 4 - Nose Piece, 5 - Objective Lens, 6 - Light Source, 7 - Course adjustment, 8 - Eyepiece/Ocular Lens, 9 - Fine Adjustment.



# Parts of a Microscope

~~eye piece~~  
eye piece



objective lenses  
eye piece lens

coarse adjustment  
fine adjustment

light source

Base

on/off switch

eye pieces to adjust the eye on it to see the slide  
to objective lenses - to see the slide more focus and study it

- 4x → scanning lens
- 40x → high power
- 10 → low power
- 100x → oil power

Page 2 of 7

coarse adjustment - to

the focus →

fine adjustment - to mark

to tune

light source - light, oil  
light, oil, oil  
oil, oil, oil