

Introduction to Optical Microscopy (pre-lab points)

Name:

Course:

Section:

TA:

Instructor:

Please answer these questions and submit the document for pre-lab points

1) Mention the main five parts of the optical microscope

- (a) _____ (b) _____
(c) _____ (d) _____
(e) _____

2) Pick the true statements related to the use of 100x objective lens

- (a) Always use 100x objective lens with oil (if mentioned) to view specimen
(b) Use ethanol and lens cleaning tissue to clean the oil droplet
(c) Do not use kim wipes, paper towels to clean the 100x objective lens
(d) Do not use acetone or water to clean the 100x objective lens
(e) All of the above

3) Mention the four objective lens and focus knobs (coarse/fine) that will be used while viewing the sample with the respective objective lens

- (a)
(b)
(c)
(d)

4) Contrast and Brightness of the sample can be adjusted using (pick one of the following)

- (a) Condenser adjustment
(b) Light intensity knob
(c) Field iris diaphragm
(d) All of the above

5) Answer the statements with true or false

- (a) Do not drag the microscope on the table
(b) Cover the microscope with cloth after use
(c) Unplug the microscope from electrical socket after use
(d) Do not troubleshoot the microscope if it's not working
(e) Contact TA for any questions, if you find difficulty viewing the specimen