

Student name: \_\_\_\_\_

1) Which of the following is the correct order of steps to focus a slide at 400X magnification?

A) 1) Select 4X objective, 2) Focus with coarse focus knob, 3) Focus with fine focus knob, 4) Change to 10X objective, 5) Focus with fine focus knob, 6) Change to 100X objective, 7) Focus with fine focus knob

B) 1) Select 4X objective, 2) Focus with coarse focus knob, 3) Change to 10X objective, 4) Focus with coarse focus knob, 5) Change to 100X objective, 6) Focus with fine focus knob

C) 1) Select 40X objective, 2) Focus with coarse focus

knob, 3) Focus with fine focus knob

D) 1) Select 4X objective, 2) Focus with coarse focus knob, 3) Change to 10X objective, 4) Focus with fine focus knob, 5) Change to 40X objective, 6) Focus with fine focus knob

2) Which of the following correctly describes how to properly calculate the total magnification of a microscope? (Select one.)

A) Multiply the ocular lens magnification and objective lens magnification.

B) Divide the objective lens magnification by the ocular lens magnification.

C) Add the ocular lens magnification and objective

lens magnification.

D) Subtract the ocular lens magnification from the objective lens magnification.

3) When viewing structures using the compound microscope, which of the following statements describes an appropriate action when you can view light but no clear

specimen in your field of view?

A) Make sure the microscope is plugged into a working power outlet.

B) Set the microscope to the scanning power objective and lower the stage; adjust the coarse adjustment knob until the specimen comes into view.

C) Check the power switch and make sure it is turned

on.

D) Adjust the condenser.

E) Move the eyepieces either closer together or farther apart

until you see a clear image.

4) Which of the following parts of the microscope is used to change the magnification?

- A) Fine focus knob
- B) Mechanical stage

- C) Iris diaphragm
- D) Objective

## **Answer Key**

Test name: Anatomy and Physiology  
Laboratory Textbook , LaPres 7th ch2

1) D

2) A

3) B

4) D