

Microscope Study Guide

1. IF you need to move the microscope, describe how you should carry it.

2. Compare the two different kinds of light microscope

3. What three things change as you increase magnification?

4. What is the magnification of the eyepiece?
 - Compound: _____
 - Dissecting: _____

5. On the compound microscope, what is the *total magnification* of the following objective lenses?
 - Low: _____
 - Medium: _____
 - High: _____

6. On the compound microscope, what power must be in place when you **first** find an image in the microscope?

7. On the compound microscope, which adjustment knob is used for bringing the specimen into focus?

8. On the compound microscope, which adjustment knob is used for sharpening the image of the specimen after it is focused?

9. On the compound microscope, which adjustment knob should you use on the high power?

10. On the compound microscope, how do you change the objective lenses?

11. On the compound microscope, what is the function of the diaphragm?

12. On the compound microscope, what holds the microscope slide to the stage?

13. On the compound microscope, what moves the slide around so you can look at different parts of the specimen?

14. For both microscopes, describe what you see if an organism moves on the glass slide to the right and up

- Compound
- Dissecting

15. What should be included when sketching or drawing what is seen through the microscope

16. Describe the steps involved in making a wet slide