

Lab: Microscope Skills

Name: _____

Date: _____

Lab #: _____

Period: _____

Mr. Hodder

Problem: How do you use a microscope correctly?

Materials: Microscope, Microscope slides

Procedures

1. Using the microscopes in the room and your own ingenuity give the function of each of the microscope parts listed.

(Answers must be in complete sentences)

Eyepiece _____

Arm _____

Course adjustment knob _____

Stage _____

Stage clips _____

Fine adjustment knob _____

Base _____

Illuminator _____

Diaphragm _____

Low power objective _____

Medium power objective _____

High power objective _____

Rotating head _____

Revolving nosepiece _____

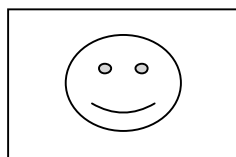
On/off switch _____

Procedures (cont.)

2. Microscopes will be placed at various "stations" around the room. At the station you and your partner are assigned sketch what you view in your data section (or on the back). You may choose the magnification you like, however it must be labeled on your sketch.
3. After 5-10 minutes Mr. Hodder will inform you it is time to move onto the next station. There you will repeat procedure 2.

Data

(Example)



10X magnification

Analysis/Conclusion

1. What part of the microscope do you feel is the most important and why?

2. What are the three objective powers? _____

3. What might happen if there were no stage clips on the microscope? _____

4. Which adjustment knob moves the stage quickly? _____

5. When carrying the microscope where do you hold it? _____
