

Microscopes Lab

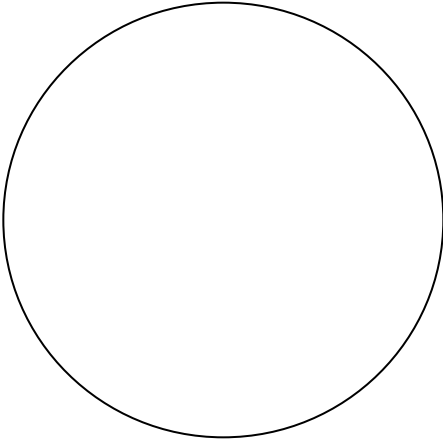
2pts.

Name _____ (2pts) Class _____ (2pts) Date _____

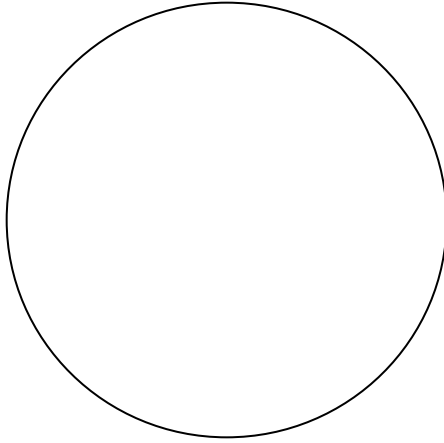
1. View a prepared slide at 3 different magnifications and draw what you see. Use pencil when drawing, and colored pencil to add color where needed. Each illustration is worth up to 8 points. Be neat and detailed. Each view should be more magnified than the previous one.

Name of Slide: _____ (3 pts)

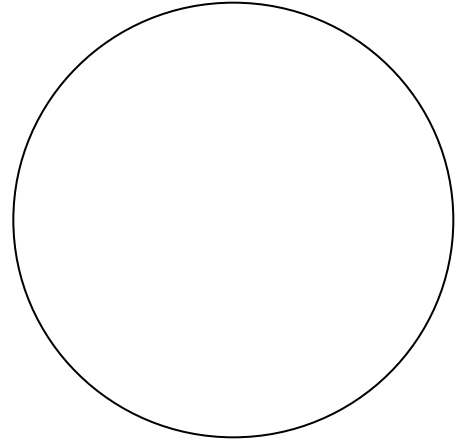
Magnification 40x



Magnification 100x



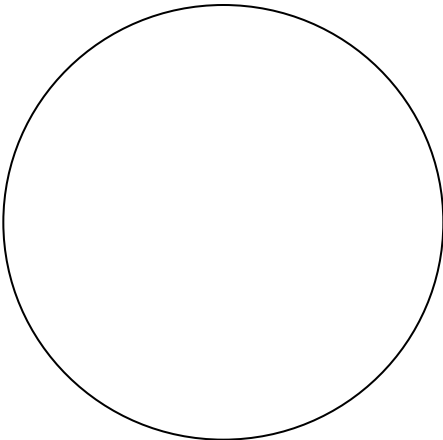
Magnification 400x



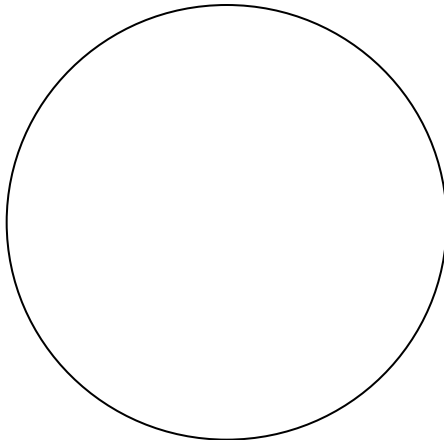
2. Prepare a wet mount slide and view it at 3 different magnifications. Use pencil when drawing, and colored pencil to add color where needed. Each illustration is worth up to 6 points. Be neat and detailed. Each view should be more magnified than the previous one.

Name of specimen: _____ (3pts.)

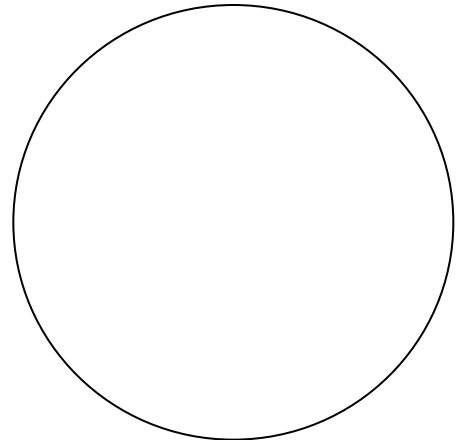
Magnification 40x



Magnification 100x



Magnification 400x



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Conclusion Questions: Answer the following questions. Please print or write neatly and make sure your answers are complete. (Up to 10 pts each.)

*For 2 bonus points, you may word process and print your answers. Bonus points will only be awarded if the work is printed from home and turned in during class on the due date with the rest of the lab.

1. Explain what is useful about beginning with the lowest magnification when viewing a slide?
2. Explain what is useful about using the highest magnification to view a slide?
3. Why is it important to have very thin specimens when making wet mount slides?
4. What are the lab safety concerns with making and taking apart wet mount slides?