

Name \_\_\_\_\_ Date \_\_\_\_\_ Block \_\_\_\_\_

## Microscope Basics Lab

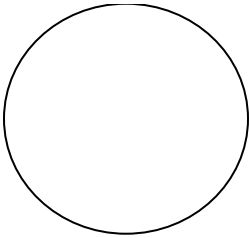
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### Slide 1: Letter E

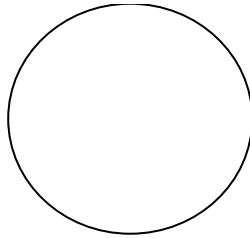
Focus the slide first with the scanning objective (Red, 4X), then click to lower power (Yellow, 10X) and focus again. Finally, focus the slide under high power (Blue, 40X). Remember, at high power, you should ONLY use the fine adjustment knob.

Draw the E exactly as it appears in your viewing field for each magnification. The circles below represent your viewing field. The E should take up as much space in the drawing as it does in your viewing field while you're looking at it.

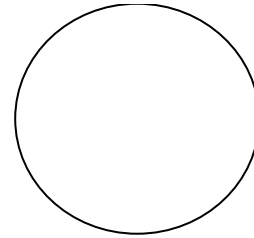
Scanning 4X



Low Power 10X



High Power 40X

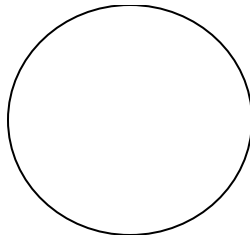


### Slide 2: Thread

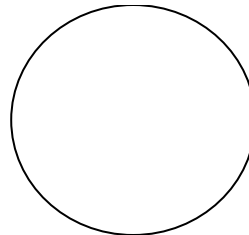
Focus the slide first with the scanning objective (Red, 4X), then click to lower power (Yellow, 10X) and focus again. You will not be able to view this slide under high power. If you do, the slide will break.

Draw the thread exactly as it appears in your viewing field for each magnification. The circles below represent your viewing field. The thread should take up as much space in the drawing as it does in your viewing field while you're looking at it.

Scanning 4X



Low Power 10X

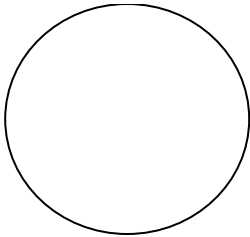


### Slide 3: Cotton Ball

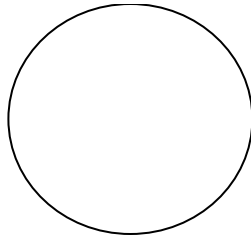
Focus the slide first with the scanning objective (Red, 4X), then click to lower power (Yellow, 10X) and focus again. Finally, focus the slide under high power (Blue, 40X). Remember, at high power, you should ONLY use the fine adjustment knob.

Draw the Cotton exactly as it appears in your viewing field for each magnification. The circles below represent your viewing field. The Cotton should take up as much space in the drawing as it does in your viewing field while you're looking at it.

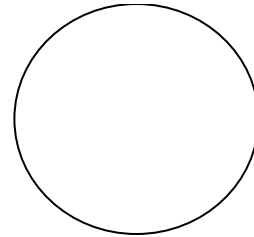
Scanning 4X



Low Power 10X



High Power 40X

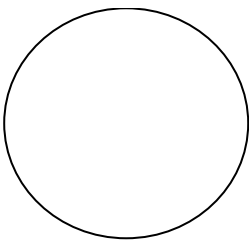


### Slide 4: Cork

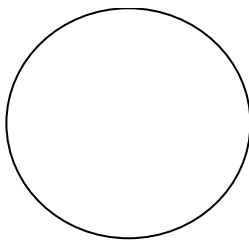
Focus the slide first with the scanning objective (Red, 4X), then click to lower power (Yellow, 10X) and focus again. Finally, focus the slide under high power (Blue, 40X). Remember, at high power, you should ONLY use the fine adjustment knob.

Draw the Cork exactly as it appears in your viewing field for each magnification. The circles below represent your viewing field. The cork should take up as much space in the drawing as it does in your viewing field while you're looking at it.

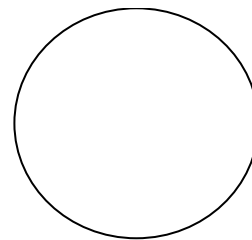
Scanning 4X



Low Power 10X



High Power 40X

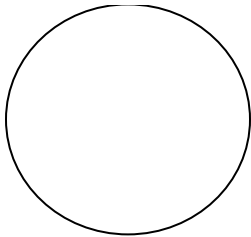


**Slide 5: Microbe**

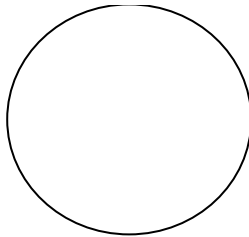
Focus the slide first with the scanning objective (Red, 4X), then click to lower power (Yellow, 10X) and focus again. Finally, focus the slide under high power (Blue, 40X). Remember, at high power, you should ONLY use the fine adjustment knob.

Draw the microbe exactly as it appears in your viewing field for each magnification. The circles below represent your viewing field. The microbe should take up as much space in the drawing as it does in your viewing field while you're looking at it.

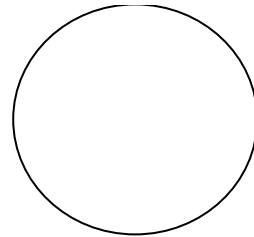
Scanning 4X



Low Power 10X



High Power 40X

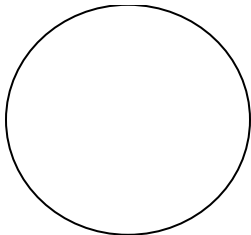


**Slide 6: Pond Water**

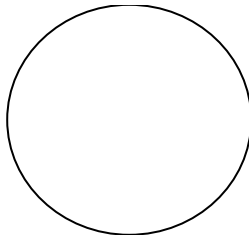
Use the microscope to focus on the slide - try different objectives, some may be better than others for viewing the slide..

Make three separate drawings below at different areas of the slide and at different magnifications. Label where appropriate.

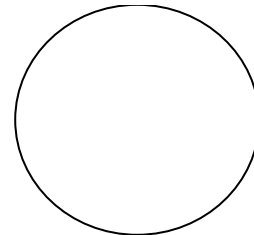
Scanning 4X



Low Power 10X



High Power 40X



In 2-3 sentences, write down what you learned today from this lab.

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