

Microscope Lab QUESTIONS

Glue Down top of Microscope Lab page here!

After the "e" Lab:

1. Move your slide to the left as you look through the eye piece. Which direction does the "e" go? _____
2. Move your slide up as you look through the eye piece. Which direction does the "e" go? _____

<p>1. What is the magnification of:</p> <p>a. ocular lens (eye piece)? _____</p> <p>b. low power objective? _____</p> <p>c. medium power objective? _____</p> <p>d. high power objective? _____</p> <p>e. What is the total magnification when using the high power objective? _____</p>	<p>2. What is the function of the diaphragm?</p> <hr/> <p>3. How many openings are found on the diaphragm?</p> <hr/> <p>4. How is total magnification calculated?</p>
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True or False?

5. _____ On high power, you should use the coarse adjustment knob.
6. _____ The diaphragm determines how much light shines on the specimen.
7. _____ The low power objective has a greater magnification than the ocular lens.
8. _____ The fine adjustment knob visibly moves the stage up and down.
9. _____ Images viewed in the microscope will appear upside down.
10. _____ The type of microscope you are using is a scanning electron microscope.
11. _____ For viewing, microscope slides should be placed on the objective.
12. _____ In order to switch from low to high power, you must rotate the revolving nosepiece.
13. _____ The total magnification of a microscope is determined by adding the ocular lens power to the objective lens power.

After the Cheek and Onion Cell Lab:

	Cell Wall	Chloroplasts	Cell Membrane	Cytoplasm	Nucleus
Found in Animal Cell	Yes or No	Yes or No	Yes or No	Yes or No	Yes or No
Found in Plant Cell	Yes or No	Yes or No	Yes or No	Yes or No	Yes or No

14. In the table, put a star in the boxes of the cell parts you were able to see using a microscope.
15. Why was stain added to your cheek cells and onion cells?

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Microscope Labs

Name _____

FOLLOW ALL DIRECTIONS AT STATIONS!

The Letter "e":

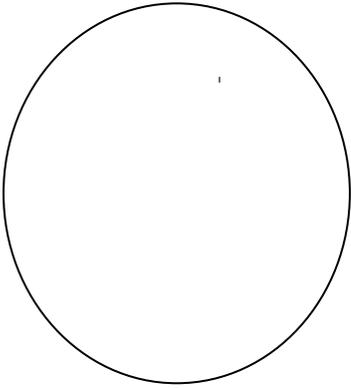


FIGURE 1

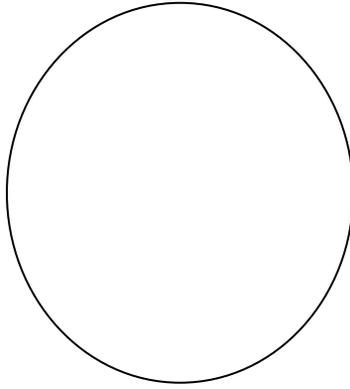


FIGURE 2

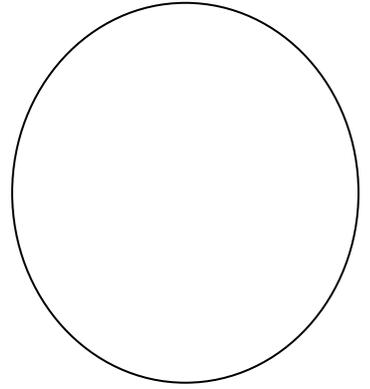


FIGURE 3

Cheek Cells:

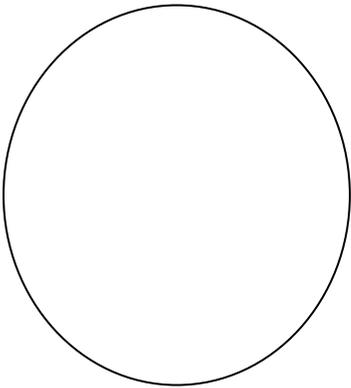


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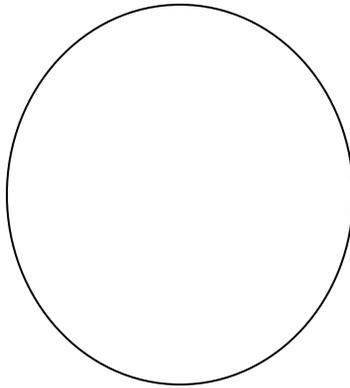


FIGURE 2

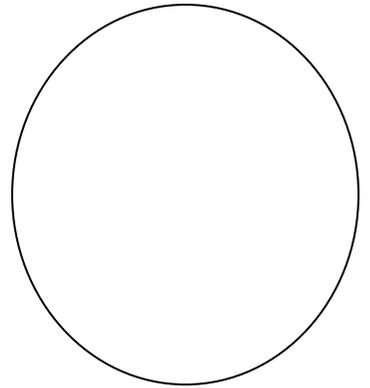


FIGURE 3

Onion Cells:

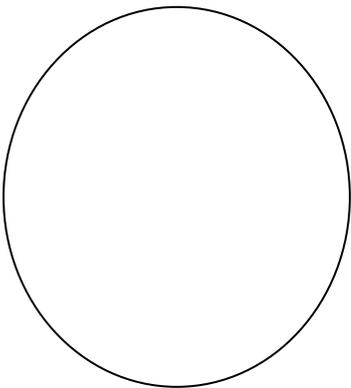


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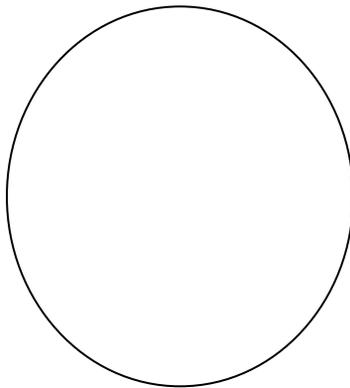


FIGURE 2

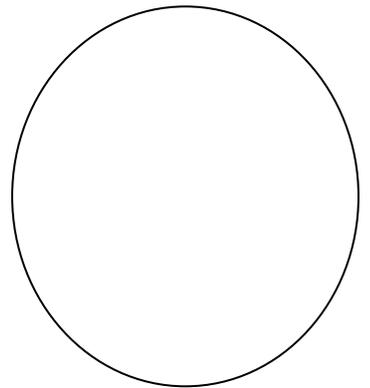


FIGURE 3

Microscope Labs

Name _____

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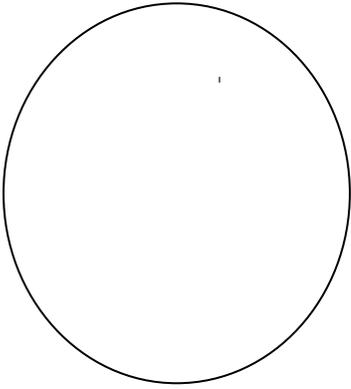


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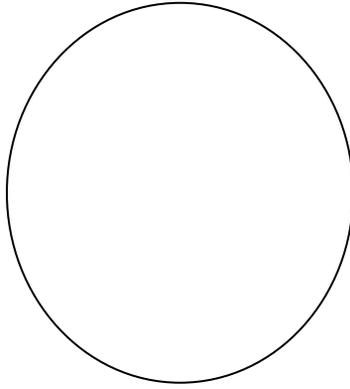


FIGURE 2

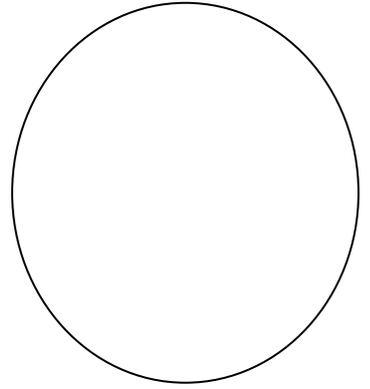


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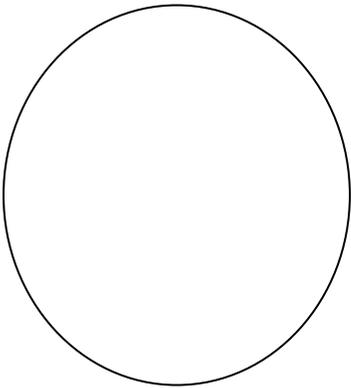


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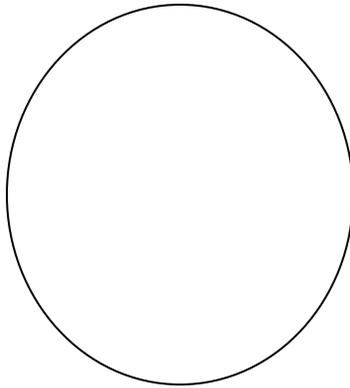


FIGURE 2

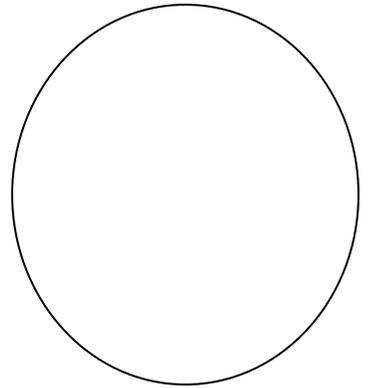


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Onion Cells:

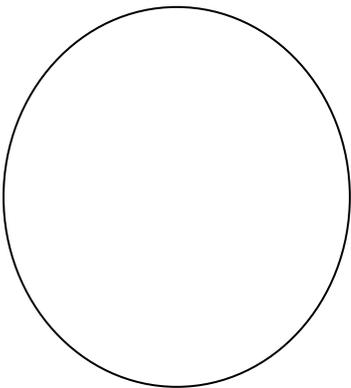


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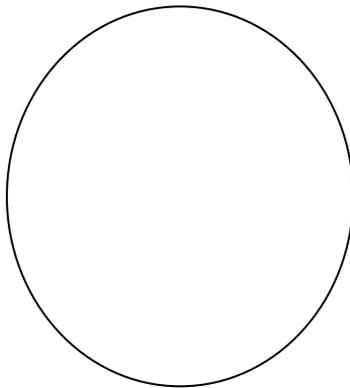


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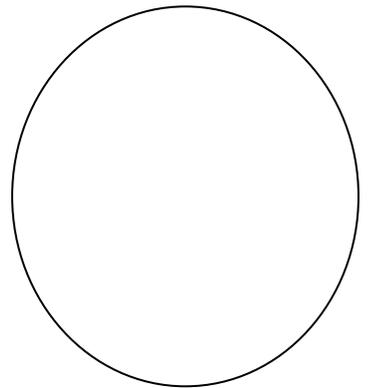


FIGURE 3