

Microscope # \_\_\_\_\_

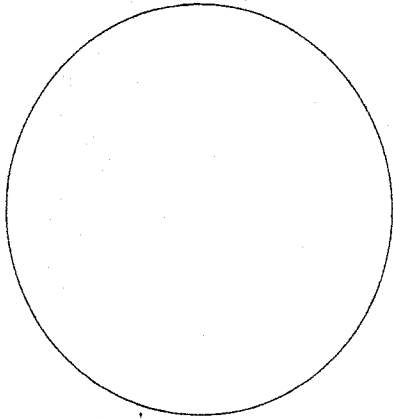
Name:

Period:

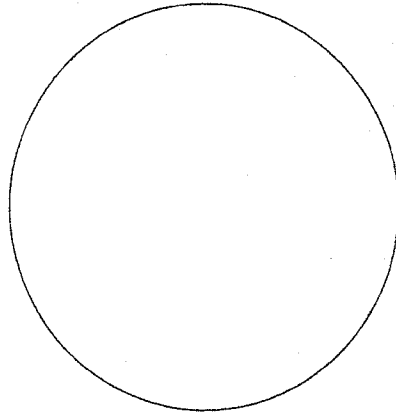
Diagrams

**Skin Cells**

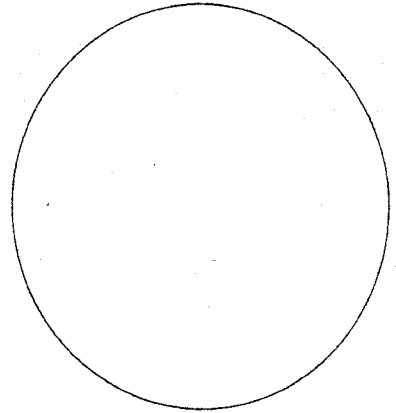
Low



Medium

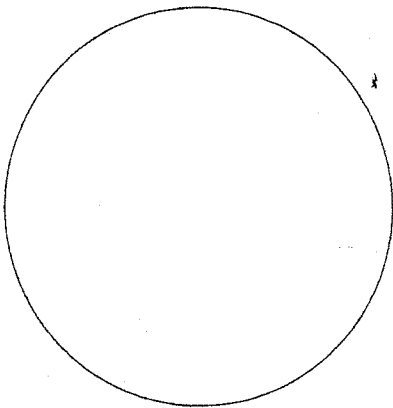


High (include labels; one cell)

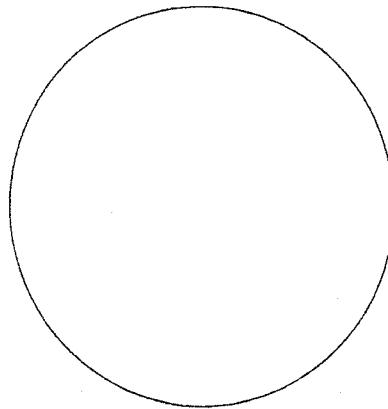


**Onion Cells**

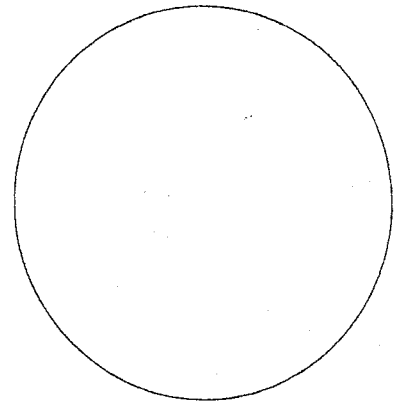
Low



Medium



High (include labels; one cell)



### Conclusion Questions:

1. Explain how to properly focus a microscope from low power to high power.
2. Describe the differences between the two cells.
3. Describe the similarities between the two cells.
4. What was the purpose of the stain in this lab?
5. Explain the function of the cell membrane.
6. Give an example of something that can pass easily through the cell membrane. Why is it important that it can pass easily?
7. What three macromolecules make up the cell membrane?
8. What is the function of the nucleus?
9. Describe the cytoplasm?
10. Describe in detail two common errors students make when working with a microscope?
11. What is the total magnification of the object when you are looking through the high power lens?