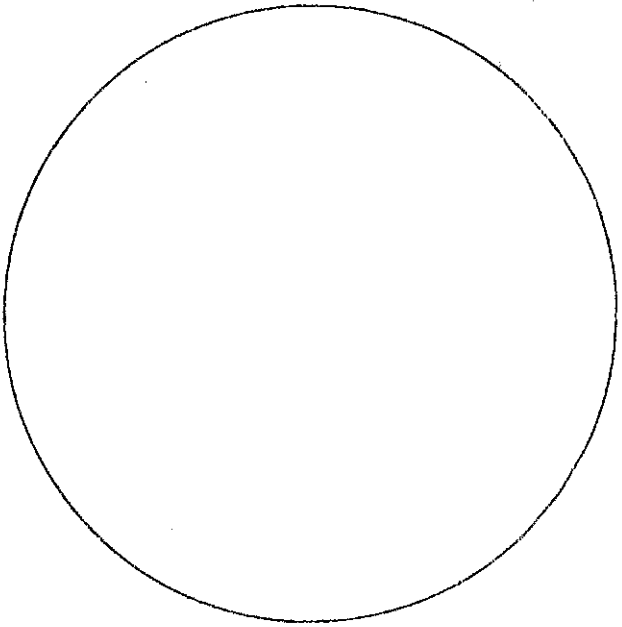


Living Things and Cells Microscope Lab

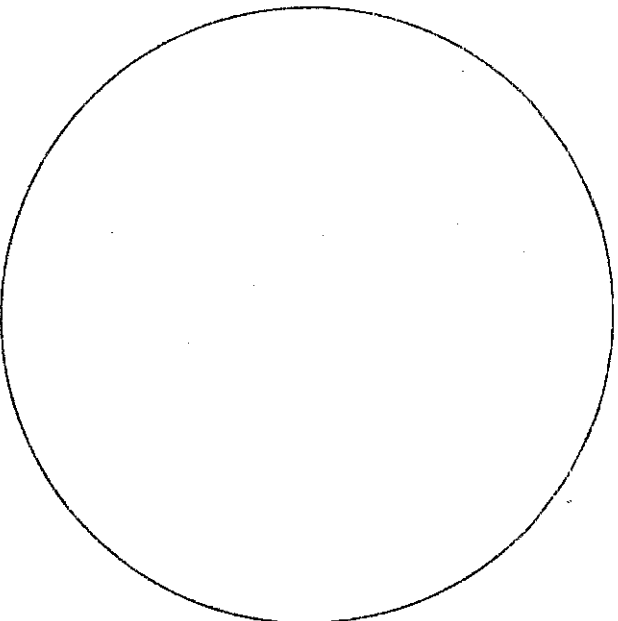
Name: _____ Date: _____ Block _____

Directions: Draw what you observed using as much detail as possible.

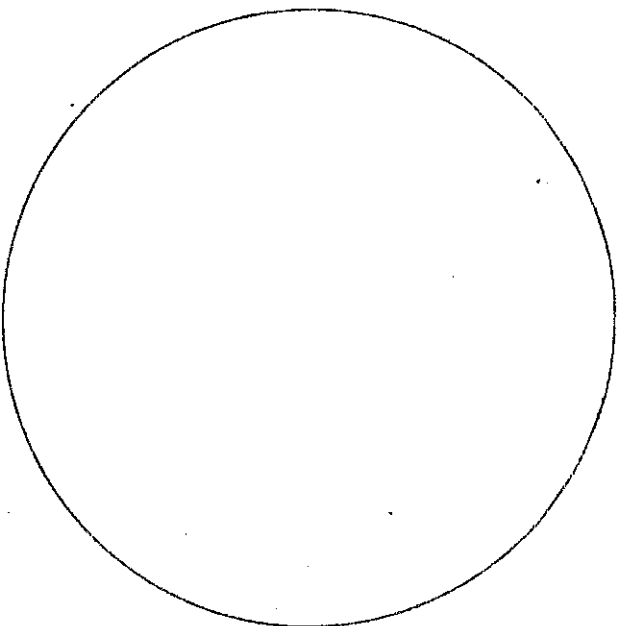
ONION CELLS



CHEEK CELLS



POND WATER



How are these cells similar? How are these cells different?

Cells Microscope Lab Analysis Questions

Pre-Lab Question

1. Make a prediction on what you think will be similar and different on the slides that you will observe.

Post-Lab Analysis

1. What similarities and differences did you notice between the three slides? Be specific in your answer.

2. How has the microscope helped you to better understand cells?

3. Based on what you saw, explain how you know which slide(s) show prokaryotes and which slide(s) show eukaryotes.

4. How was your prediction similar to and different from what you actually observed with the microscope?

5. If your observations were different from your prediction, explain why you think this is so.

6. If your observations were the same from your prediction, explain why you think this is so.

7. How does your knowledge of the 5 scientists of the cell theory, along with your microscope observations, support the statement, "All living things are made of cells?"

8. How does your experience today prove that the cell is the basic unit of structure and function in all living things? HINT: think about the bacterial cells you observed.