



Period:

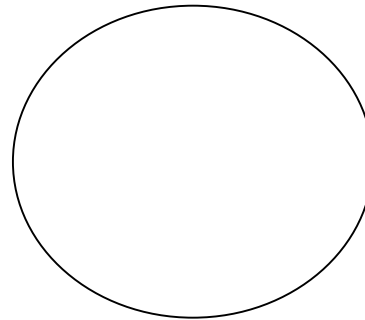
### Cell Structure Microviewer

Please **carefully draw each Microviewer slide** in detail. Always draw in pencil and shade using colored pencils. Include the magnification you are looking at. Also, label any structures that are pointed out.

#### 1. Cork and cell discovery.

Describe how cells were named and discovered:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



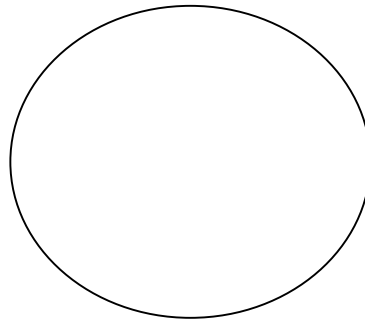
"X" means magnification power!

X \_\_\_\_\_

Why are cells "empty?" \_\_\_\_\_

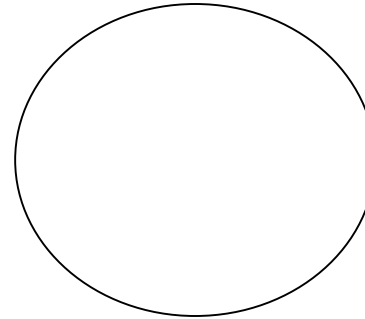
#### 2. Onion Skin-Preparing a slide.

Why is the skin of an onion an excellent object to study? \_\_\_\_\_



X \_\_\_\_\_

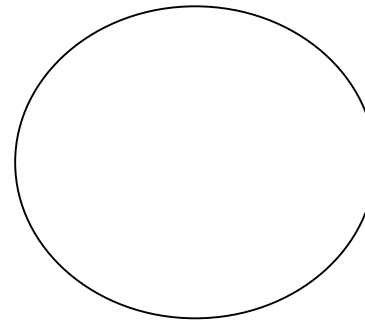
Most cells have these major parts: \_\_\_\_\_,  
\_\_\_\_\_, and \_\_\_\_\_.



X \_\_\_\_\_

#### 3. Green Leaf

What special function can the leaf cells of green plants perform? \_\_\_\_\_



X \_\_\_\_\_

#### 4. Cheek Cells

What three parts of the animal cell can you see?

\_\_\_\_\_, \_\_\_\_\_ and \_\_\_\_\_.



## Cell Structure and Function

### 5. Blood Cells

Could red blood cells reproduce/divide? Explain why.

\_\_\_\_\_

### 6. Nerve Cells

How do you think the structure of the nerve cell

is related to the function of the nerve cell?

\_\_\_\_\_

\_\_\_\_\_

### 7. Bacteria

Bacteria cells are prokaryotic. This means they do not have a

\_\_\_\_\_ containing DNA inside the cell.

### 8. Virus

Why do some scientists consider viruses living organisms and

others consider them nonliving?

\_\_\_\_\_

\_\_\_\_\_

