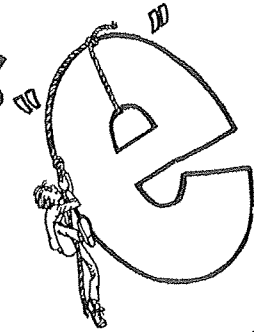


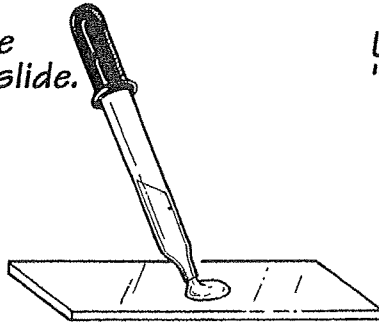
The ENORMOUS

Preparing A Wet Mount Slide



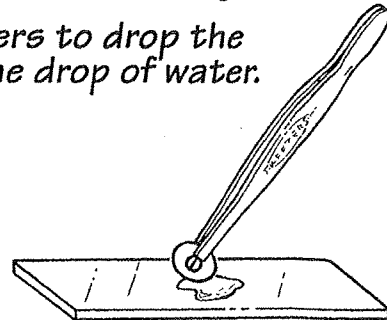
Step 1

Place water on the center of a clean slide.



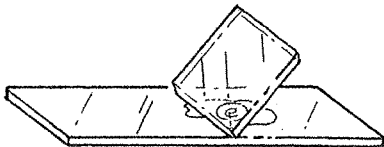
Step 2

Use tweezers to drop the "e" onto the drop of water.



Step 3

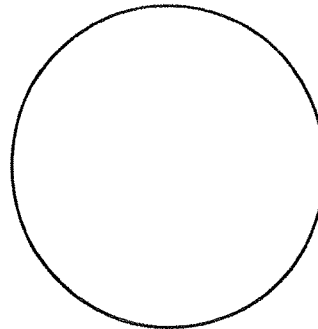
Gently touch the cover slip to the edge of the drop of water then lower the cover slip to cover the "e" and the water.



Step 4



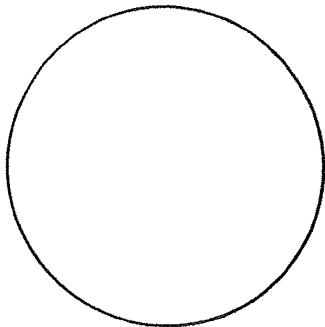
Hand Lens



_____x

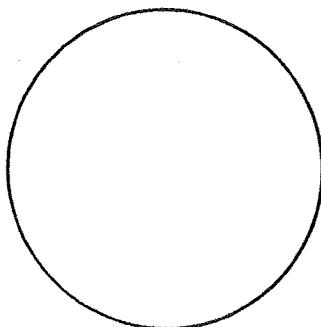
Drawings of My Enormous "e"
Wet Mount Slide When Magnified

Low Power



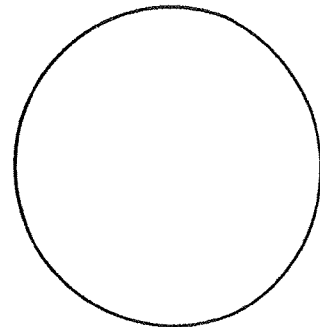
_____x

Medium Power



_____x

High Power

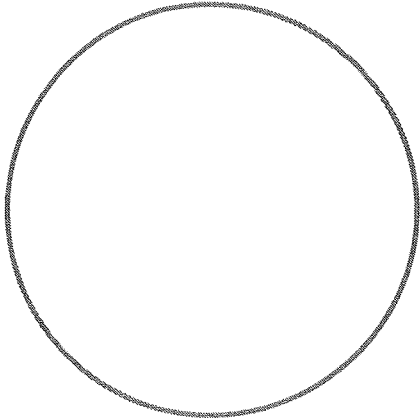


_____x

PREPARED SLIDES!

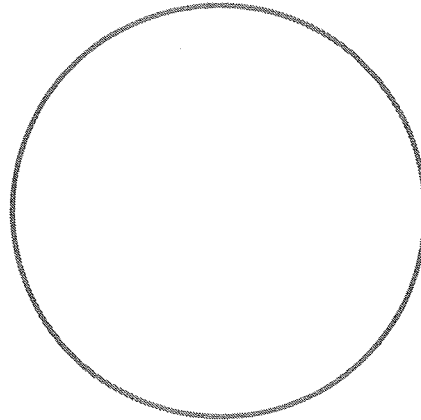
Choose two slides from the fixed slide box and write the name and draw what you see at low power (40x). Draw the same slide at high power (400x), indicate where this image comes from.

Slide #1



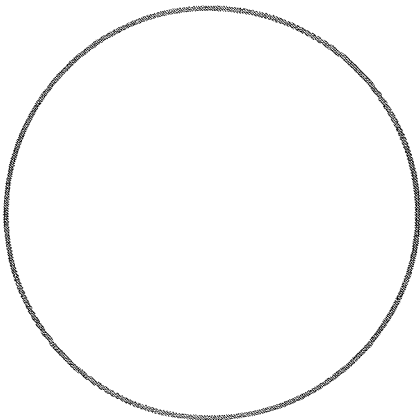
Power (low) _____

Slide #2



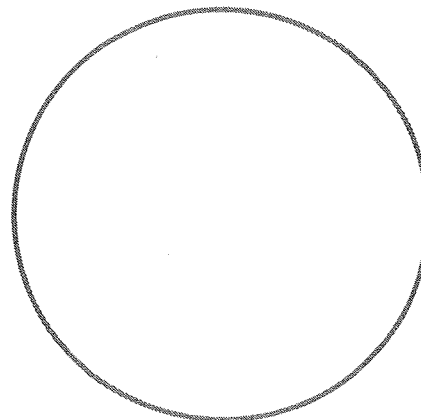
Power (low) _____

Slide #1



Power (high) _____

Slide #2

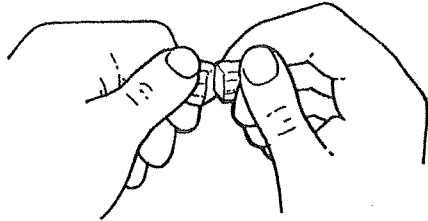


Power (high) _____

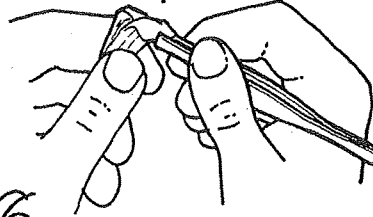
Onion Rings

Preparing A Wet Mount Slide of Onion Cells

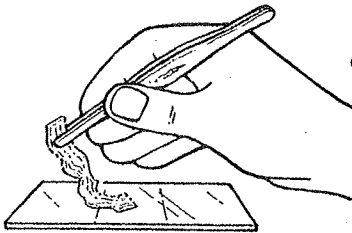
1. Pull the onion slice apart.



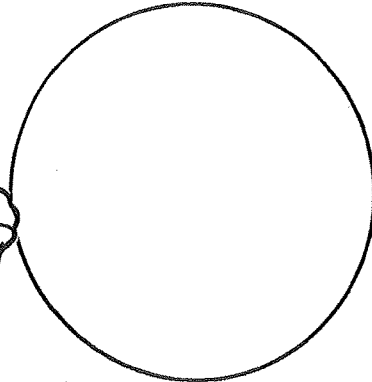
2. Pull off a thin piece of onion skin.



3. Place the onion skin piece on the center of the slide. Add a drop of water and then the cover slip.

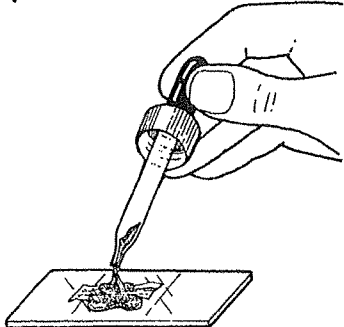


My Drawing of an Onion Skin Cell

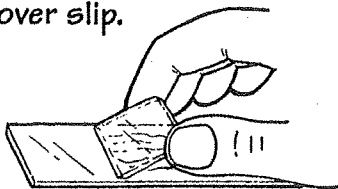


Staining A Wet Mount Slide of Onion Cells

1. Lift the cover slip. Add one or two drops of methylene blue.

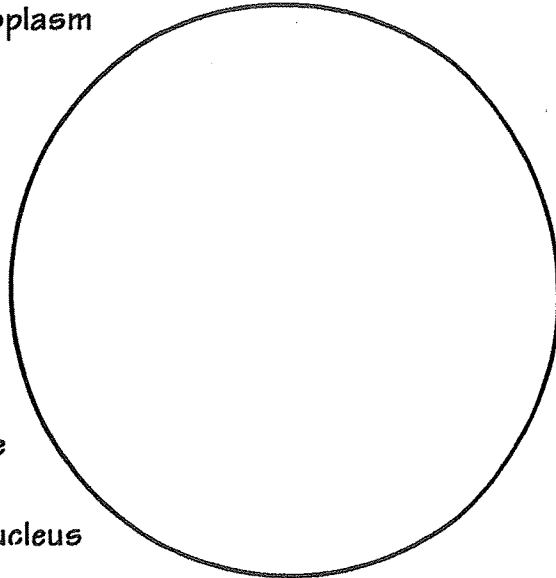


2. Add the cover slip.



cytoplasm

My Drawing of a Stained Onion Skin Cell



cell wall

cell membrane

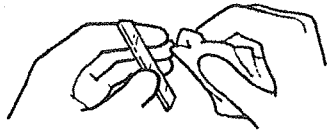
nucleus

High Power = _____ x

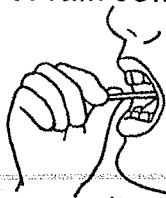
Cheek to Cheek

Preparing A Wet Mount Slide of Cheek Cells

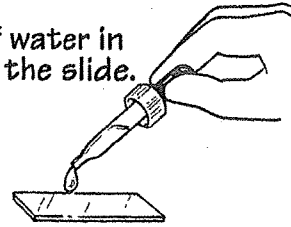
1. Clean the slide and cover slip.



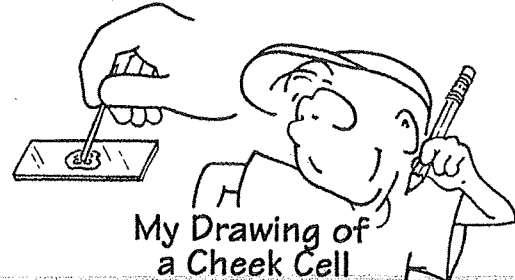
3. Take a flat-sided toothpick and carefully scrape the inside of your cheek to obtain some cheek cells.



2. Put a drop of water in the center of the slide.

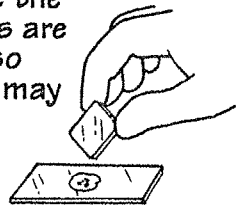


4. Gently stir the toothpick in the drop of water.



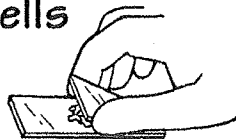
My Drawing of
a Cheek Cell

5. Add the cover slip and observe the slide under low power. The cells are small and can be hard to see so patience is required. The cells may be stacked on one another.

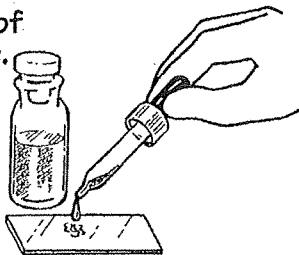


Staining A Wet Mount Slide of Cheek Cells

1. Lift the cover slip.



2. Add one drop of methylene blue.



3. Add the cover slip and observe under high power. The stain makes it possible to see cell structures that were hard to see before staining the cells.

My Drawing of a
Stained Cheek Cell.

Draw lines
to indicate:

- cytoplasm
- nucleus
- cell membrane

High Power= _____ x