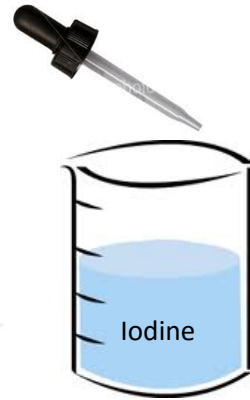
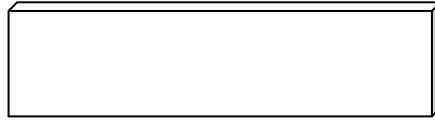


Comparing Cells - Instructions

Materials:

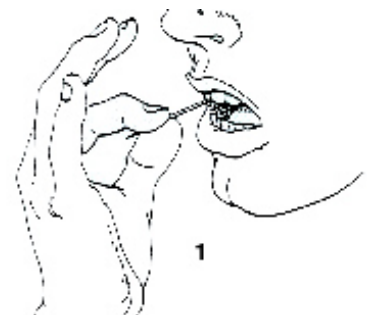
- 2 slides
- 1 eyedropper
- 1 beaker with iodine
- 1 bottle of methylene blue (MB)
- 1 NEW toothpick



Procedures:

CHEEK CELL

- 1) Gently rub the inside of your cheek with the NEW toothpick for 5-10 seconds.



- 2) Rub the toothpick on the slide. Throw toothpick in garbage.



- 3) Put **ONE drop** of **methylene blue (MB)** onto the slide where you rubbed the toothpick.



- 4) Take a piece of paper towel and touch it to the edge of the MB - **DO NOT RUB**



- 5) Put microscope on low power.
(**Shortest** lens)



6) Put the slide on the **STAGE**

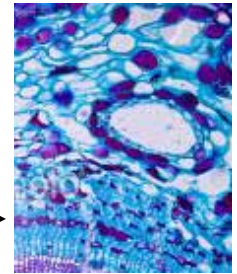
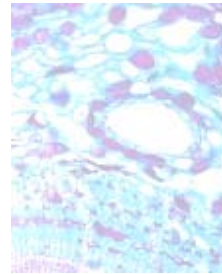


7) Make sure the slide is centered over the light.



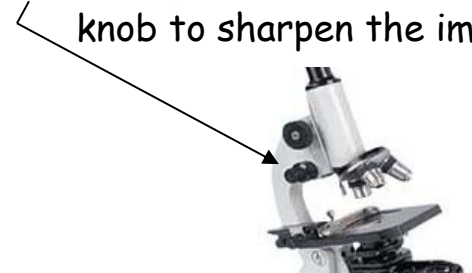
8) Turn the large **COARSE** adjustment knob to get your slide in view.

Use the small **FINE** adjustment knob to make clear.



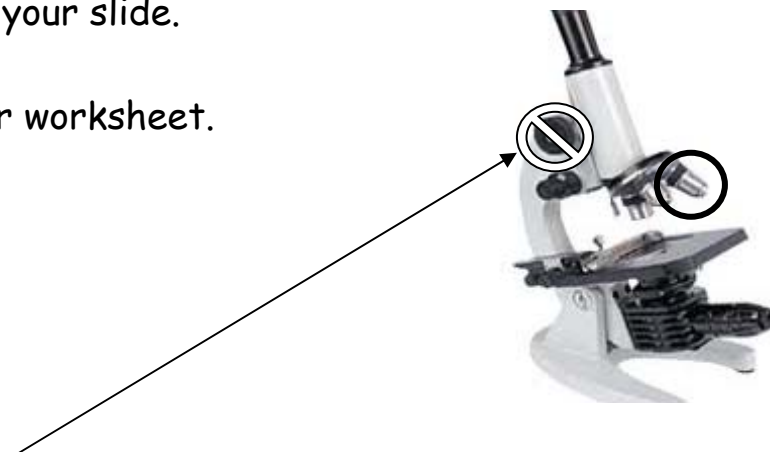
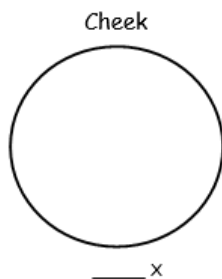
9) To increase magnification, turn the **NOSEPIECE** to the 2nd largest **LENS**.

Use the **FINE** adjustment knob to sharpen the image.



10) To view your slide under the **highest power**, turn the nosepiece to so the **LONGEST** lens is over your slide.

11) **Draw** the image on your worksheet.



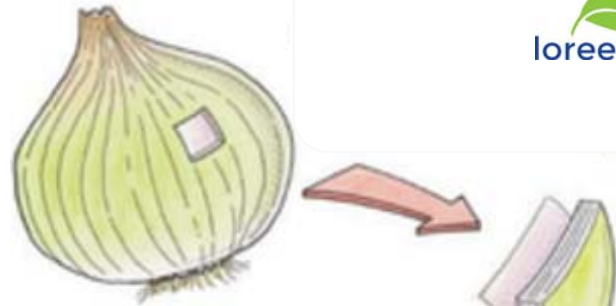
WARNING: Do **NOT** use the **COARSE** adjustment knob with the **HIGHEST** power lens!
It may crack or break the slide.

Procedures:

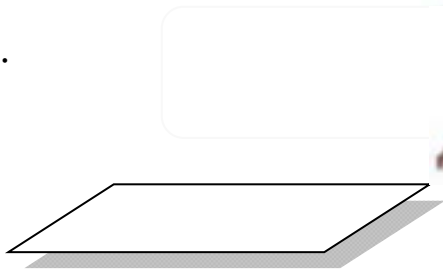
ONION CELL



12) Peel off a thin layer of onion skin.



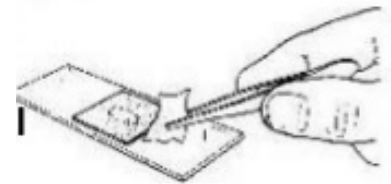
13) Put onion skin on a slide.



14) Put **ONE** drop of **IODINE** onto the slide



15) Take a piece of paper towel and touch it to the edge of the iodine - **DO NOT RUB**



**** REPEAT steps 5-11 ****

16) Pick one **ANIMAL** slide and one **PLANT** slide and **REPEAT** steps 5-11



ANIMAL



PLANT