	Period
**Drawings MUST BE CHECKED while the object is in focus.	
**Always carry a microscope upright and with 2 hands, one on the arm and one	
<u>/ as you read. X</u> as you do. Read to each other. <u>Both of you need to learn to t</u>	tocus. READ!
The LAB:	
1. Obtain a clean slide & coverslip. Or, wash them. A clean slide is VERY IMPORTANT this tim	ıe.
2. Add one small drop of Iodine or other dye to the middle of the slide.	
3. READ ALL OF THIS DIRECTION BEFORE YOU DO anything.	
If this hurts, you are doing it wrong. It SHOULD NOT HURT. Obtain a clean toothpick.	
 Use one end of your toothpick to GENTLY rub the inside of your cheek. You should NOT SEE anything but saliva on your toothpick. The cells are microscopic. You will get cells on your toothpick, but remember they are microscopic. You won't saliva on your toothpick. 	
4. Use that same end of your toothpick to STIR the iodine dye on your slide. Some cheek cells come off in your iodine, BUT you won't see them.	10 x x x x x x x x x x x x x x x x x x x
5. Hold the coverslip at an angle, resting one edge by the iodine. Then lower it on to	→ J Slowly
of the iodine and cheek cells. Tap lightly on the coverslip to help move air bubbles out.	
6. Prepare your compound microscope by turning the light on or moving the mirror so it refle through the opening in the <u>stage</u> . Ask, if you think the lenses need cleaning. Do not use p	-
7. Place your slide on the microscope stage so the iodine is in the light. Move stage clips on s	lide to hold it.
8. Always USE a SLIDE, COVER SLIP and STAGE CLIPS with a compound microscope	
9. Set your microscope on the lowest power. Look at the numbers on the lenses.	
10. "START CLOSE". Watch from the side and use the <u>coarse adjustment</u> wheel (the larger of move the <u>objective lens</u> close to the <u>stage</u> . This is what we mean by "START CLOSE".	ne) to
11. LOOK in the microscope eyepiece for as you "FOCUS AWAY". Look for cells that look like p cornflakes (yellow from the iodine). Slowly move the <u>large coarse adjustment</u> wheel to r lens away from the stage. STOP when you can see something yellow.	•
12. You are looking for one cell or a group of cells that are scattered, not clumped together.	You need <u>one</u>
<u>cell that has a nucleus you can see and is by itself</u> .	
 a) Hold the slide with both hands. b) As you look through the eyepiece, slowly and steadily move you c) If NOTHING MOVES WHEN YOU MOVE your slide, you are NOT START over by starting CLOSE again and FOCUS AWAY again. 	IN FOCUS.
13. When you have found some cells, choose ONE CELL that has a nucleus. While watching it use 2 hands to move the slide so YOUR CHOSEN CELL is in the center.	, carefully
14. Watch the cell as you increase the magnification. STOP when the cells go out of focus and Increase the magnification as much as possible. Use the <u>fine adjustment</u> wheel. If it will then you need to reduce the magnification and refocus.	
15. Locate the nucleus, cytoplasm, & cell membrane. Use the text if you locate more parts.	
16. Have your cell focus checked BEFORE YOU DRAW.	
17. Use plain paper & pencil to do an outline drawing, about as large as your hand, of your Of Add the above parts. Do not sketch or shade. Draw only parts you see.	
**YOU MUST HAVE YOUR DRAWING CHECKED WHILE IN FOCUS.	
18. Label. Draw a straight line out to the right. Label only the parts you found.	ach
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19. Return your slide and coverslip to the cleaning area. Turn off the light. Change to LOW POWER. Move the stage AWAY from the stage.	