

PARTS OF THE MICROSCOPE

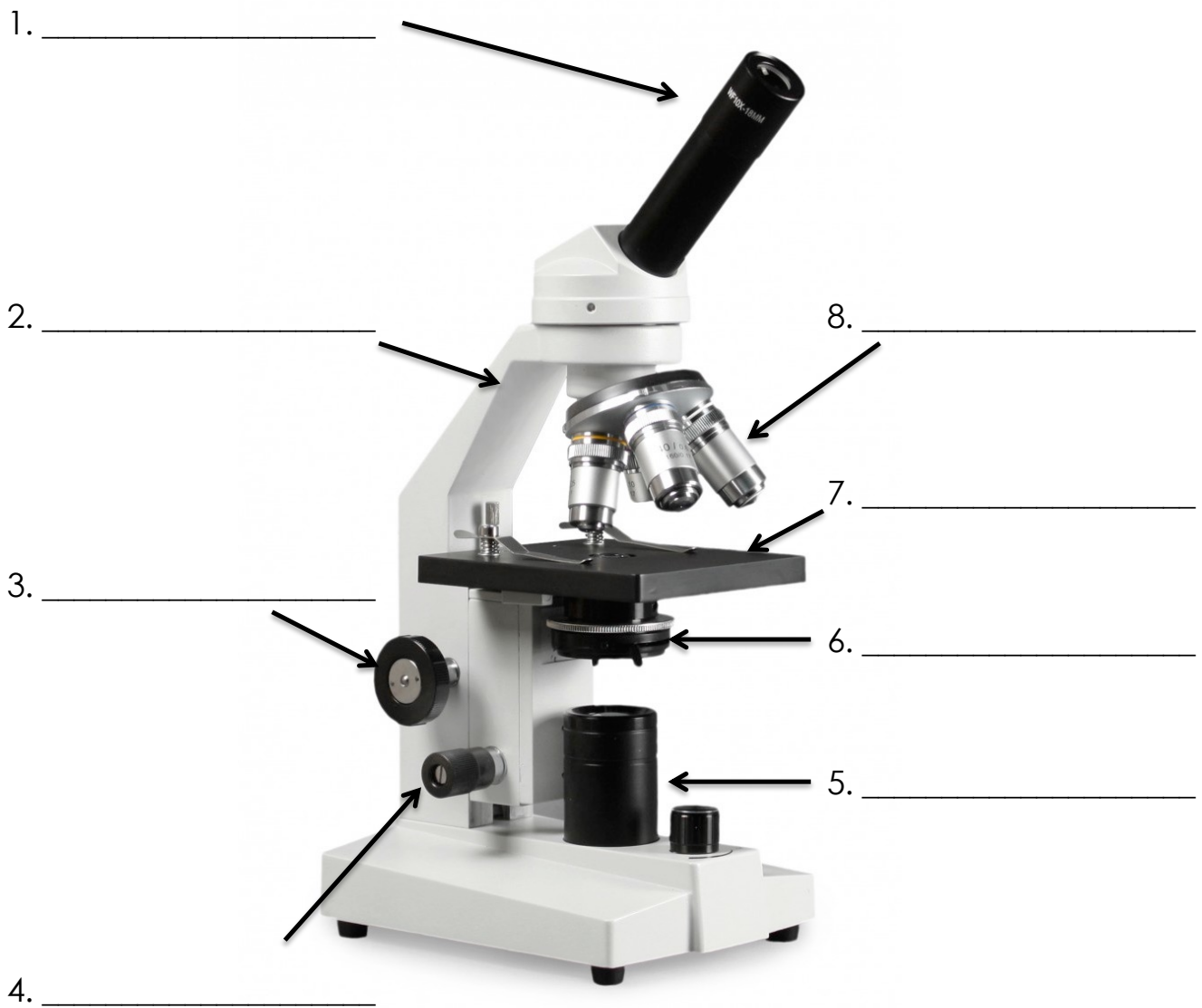
Name: _____

Period: _____

Date: _____

Directions: Use the word bank below to label the parts of the microscope.

Word Bank: Course focus knob, Objectives, Arm, Light source, Stage, Fine focus knob, Ocular, Diaphragm





USING THE MICROSCOPE

Name:

Period:

Date:

Directions: Do you know how to use a compound microscope? Below are the steps to using microscope out of order. Place them in the correct order by numbering the steps 1-10.

- a. _____ Look through the ocular lens. Start to clarify the image with the course focus knob.
- b. _____ Plug in the microscope and turn the light switch on.
- c. _____ Place the slide on the stage and make sure it is clipped in.
- d. _____ Carry the microscope to your work area with one hand under the base and the other hand holding the arm.
- e. _____ Once the image is almost clear, use the fine focus knob to make small adjustments.
- f. _____ When you are finished using the microscope, turn off the light, make sure your microscope is on the low power objective, wrap up the cord, and put the dust cover back on.
- g. _____ To zoom in on the image, turn the nosepiece until you feel the next objective click into place.
- h. _____ Make sure the microscope is on the low power objective.
- i. _____ When you are finished viewing the slide, return to the low power objective before removing the slide.
- j. _____ Using the stage knobs, move the slide until the specimen is lined up in the middle of the illuminated area of the stage. (If you don't have a mechanical stage, do this step manually).



DRAW IT!

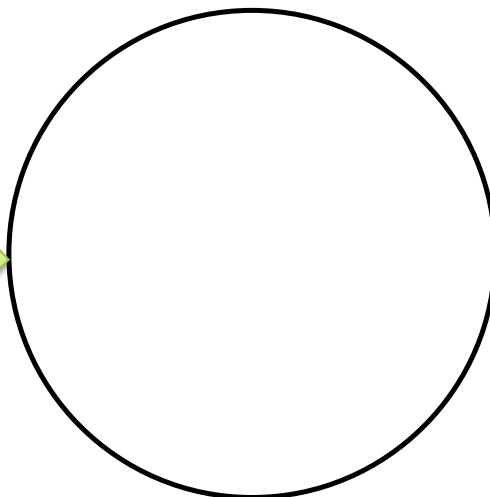
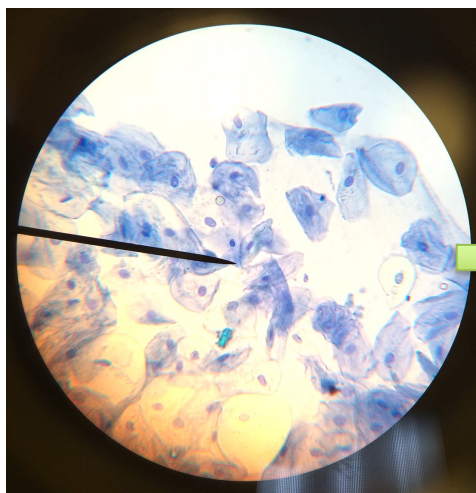
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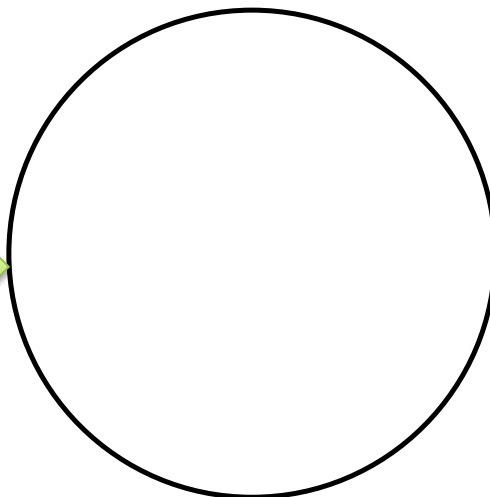
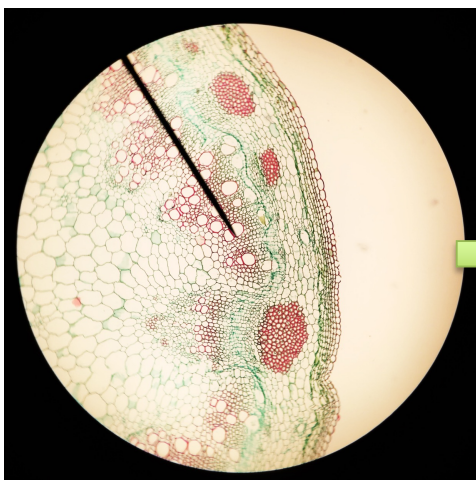
Date:

Directions: Practice drawing the microscopic images shown below.
Don't forget to make your drawings to scale!

Cheek Cells 100x



Stem Cross Section 40x



Pollen 100x

