Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**I CAN** correctly use a compound microscope to draw accurately detailed observations of specimens.

Draw an accurately detailed labeled scientific drawing of a

specimen viewed through the compound microscope.

Period \_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_

**THREAD LAB**

**PROBLEM**: To draw a colored picture of twisted threads and determine which is on top, in the middle and on the bottom.

**PROCEDURE**: A) Using 2 hands take a microscope to your table

B) 6 QUICK STEPS

1. Start on Low Power

2. Turn coarse adjustment to lower objective lens all the way down

3. Center fine adjustment knob

4. Check diaphragm—open to let in the most light

5. Check mirror and make sure it is turned correctly

6. **ONLY USE COARSE ADJUSTMENT ON LOW POWER!**

* There is a slide that has 3 different colored threads twisted together and taped on each end on a glass slide. You will view this slide at 100X.

**OBSERVATIONS**: The depth of field is controlled by the fine focus.

**OBJECT**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **POWER**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw and ***color*** a picture of the twisted threads.

CONCLUSION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the color thread on the top.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the color thread in the middle.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_is the color thread on the bottom.

DISCOVERY: Write something you learned from this activity.

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