

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Investigating Skin, Bone, and Muscle with a Microscope

What investigation question(s) are you trying to answer?

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Procedure:

1. Slides are fragile so handle them gently, and hold them by the edges.
2. Put the slide under the clips to hold it still.
3. Start with the lowest/shortest objective (4x, red, 40x total magnification).
4. Focus slowly! If you only see a blur of one color across your view, that's not what you're looking for.
5. Adjust the amount of light coming in through the slide to help you see better.
6. Observe what you can at this objective.
7. Change objectives to the next highest. Refocus, adjust the light, and observe.
8. Change to the highest objective. Refocus, adjust the light, and observe.
9. Choose the objective where you think you had the best view of the structures that make up this sample.
10. Looking at the sample with the best objective, record your observations in the data table.
11. When everyone in your group has seen and recorded observations of the first slide, follow your teacher's directions to observe another slide with this same procedure.

Sample	Total Magnification	Draw what you observe at the best magnification	Use words and/or drawings to describe any patterns you see
			
			
			