**Microorganisms**

Today we will be looking at a variety of live microorganism as well as prepared slides. The live specimens include:

* Euglena gracillus
* Paramecium
* Stentor
* Pelomyxa (amoeba)
* Actinosphaerium

1. Be very careful with the depression slides and make sure to put a cover slip on so that the objective lenses do not get wet.
2. Remember focus using the low power objective first (4x) with the coarse focus and afterwards only use the FINE FOCUS knob for higher magnification objectives.
3. It is likely that you will not be able to use the 40X objective because it will get too close to the cover slip and will not be able to focus. If you would like to try this magnification please ask.
4. Please draw what you see for each specimen in the field of view circles provided. Include the magnification, the name of the organism, and try to label and identifiable cell parts and organelles, this might be tricky since many of the specimen will move.
5. Once you have completed this for all of the organism clean up.
6. Now it is time to do some research for what you have just seen. What kind of microorganism is it (bacteria, protest, fungi)? Are the cell prokaryotic or eukaryotic? How does this organism get its food? Does it have another name? What is some other information about it?

Name:

Type of microorganism:

Circle one: prokaryotic or eukaryotic

Food:

Other names:

Other information

Magnification: \_\_\_\_\_\_\_\_\_\_\_

Name:

Type of microorganism:

Circle one: prokaryotic or eukaryotic

Food:

Other names:

Other information

Magnification: \_\_\_\_\_\_\_\_\_\_\_

Name:

Type of microorganism:

Circle one: prokaryotic or eukaryotic

Food:

Other names:

Other information

Name:

Type of microorganism:

Circle one: prokaryotic or eukaryotic

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Other names:

Other information

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Other information

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Type of microorganism:

Circle one: prokaryotic or eukaryotic

Food:

Other names:

Other information

Magnification: \_\_\_\_\_\_\_\_\_\_\_

Magnification: \_\_\_\_\_\_\_\_\_\_\_

Magnification: \_\_\_\_\_\_\_\_\_\_\_