Protists Lab – Plant like, Animal like and live sample

Animal-like Protista

Set up a microscope and view the following organisms under high power. Draw and calculate the actual size of the organism and drawing magnification. Copy the drawing of the protist in the space provided.

***Ameba***

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

Size Calculations:

Drawing Magnification Calculations:

**Microscope**

**Textbook/Notes**

***Paramecium***

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

Size Calculations:

Drawing Magnification Calculations:

**Microscope**

**Textbook/Notes**

*Plant-like Protist*

Name:

Set up a microscope and view the following organisms under high power. Draw and calculate the actual size of the organism and drawing magnification. Copy the drawing of the textbook *Euglena* in the space provided.

***Euglena***

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

Size Calculations:

Drawing Magnification Calculations:

**Microscope**

**Textbook/Notes**

*Live Protist Sample*

Name:

Set up a microscope and view the water sample provided. Draw and calculate the speed of any organism seen.

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

Size Calculations:

Drawing Magnification Calculations:

Speed Calculations:

***Mixture of Protists***

**Microscope**

**Discussion Questions:**

1. For the amoeba slide compare it to your textbook or model drawing? Explain the similarities and differences.
2. For the paramecium slide compare it to your textbook or model drawing? Explain the similarities and differences.
3. For the euglena slide compare it to your textbook or model drawing? Explain the similarities and differences.
4. What is the difference between the slides for animal-like protists (amoeba and paramecium) compared to the slide for the plant-like protist (euglena)?
5. Which protist was the most difficult to find? Explain.
6. How do protist slides compare to bacterial slides? Why do you think this difference exists?
7. How do the preserved slides compare to the live slide? Explain.