

Name: \_\_\_\_\_ Block: \_\_\_\_\_ Date: \_\_\_\_\_

Mixed Protists Lab  
Biology 11

Purpose

To observe how a sample of mixed protozoa moves and interacts with each other.

Procedure

Take a sample of the mixed protozoans and made a slide (depression slide). View the slide for about ten (10) minutes, moving it around a few times and allowing the sample to calm down.

Observations

- Using the key that is on the back of this sheet, **sketch five (5) different protists** from the sample you were given. Make sure you give the **size and name** for each of the five organisms drawn.
- Sketch each organism in its own diagram. Do not crowd the diagrams. You should have five (5) diagrams total. Indicate the title, apparent magnification, objective power, and actual length next to each diagram.
- Complete the table below as part of your observations.

Discussion

Copy and complete the following table on a separate sheet of paper

	Name of Protist				
	_____	_____	_____	_____	_____
Actual Length ( $\mu\text{m}$ )					
Shape					
Relative Speed					
Structures for Motion					
Description of movement					

Conclusion

1. What apparent plant-like features could you observe in some of the protists? What apparent animal-like features could you observe?
2. Which organisms seemed to be most common? Which organisms seemed to be least common? What methods of locomotion were you able to observe among the protists?
3. All protozoans have contractile vacuoles to rid themselves of excess water. Describe the process responsible for this extra water.