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

**Stations: Protists**

Station 1: Paramecium Slide

* *Sketch the slide image below and LABEL the Cilia, Nucleus, Cell Membrane.*
* How does a Paramecium get its nutrition?

Station 2: Keep on Moving

* How does the paramecium use the cilia while feeding?
* How does the Amoeba catch its prey?
* What is unusual about how the Euglena gets nutrition?
* Which protist(s) listed use photosynthesis as a means of nutrition?
* Which protist is the fastest swimmer?

Station 3: Amoeba

* *Sketch the slide image below and LABEL the Pseudopods, Nucleus, Cell Membrane.*
* How does an Amoeba get its nutrition?

Station 4: A Paramecium’s Paradise

* What is the main food source of the paramecium?
* How quickly can a paramecium move?
* Why is pond water such a good environment for the paramecium?
* Which predator does the paramecium like to avoid?

Station 5: Pond Water

* Sketch below what you observe in the pond water slide made this morning.
* What types of organisms do you think you are observing?

Station 6: The Protozoan Zone

* Why would you want to boil untreated water before drinking it?
* Where do the dangerous protozoans live?
* Which disease caused by the Protozoans listed is the worst?
* Which disease are we are risk for here in the United States?
* Where do we find Plasmodium protozoa? (Hint: It causes Malaria)

Station 7: Volvox

* What is a volvox?
* How does the volvox move?
* Describe how the Volvox live in a colony.
* Which organisms are enemies to the volvox?
* What are the larger green circular structures within the Volvox colony? (HINT: You will have to make an educated guess!)

Station 8: Euglena

* *Sketch the slide image below and LABEL the Flagella, Chloroplasts, Nucleus, and Cell Membrane.*
* How does an Euglena get its nutrition?

Station 9: Going Solo

* Why do microscopic organisms need to move?
* Describe how a flagellum works.
* What are cilia? How do they work?
* Which organism(s) use cilia?
* Which organism(s) use pseudopods to move?
* Try the activity in the yellow box. Sketch the movement of the yarn below.