**Protist Diversity Study Guide**

* To be filled out while viewing the lecture and reading the assigned text.

1. What are some reasons that the Kingdom Protista are difficult to classify?
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is an example of an organism that was once classified as a plant but recently was reclassified as a protist
3. What does it mean to be a eukaryotic cell?
4. What are the characteristics that protists share with bacteria?
5. What are some characteristics that set protists apart from bacteria?
6. List the three types of groups protists that we will cover
7. \_\_\_\_\_\_\_\_\_\_\_ is another name for an animal –like protist.
8. The characteristics that make this group similar to animals are:
9. The characteristic that make this group different from animals is:
10. What are some positive and negative roles that protozoa can have in an ecosystem? What is an example of a protozoan that has been making news recently?
11. List the traits that make plant-like protists similar to plants:
12. The characteristic that make this group different from plants is:
13. What are some examples of plant-like protists? Describe protists in this group that we have already been introduced to over the course of the term already.
14. List the traits that make fungus-like protists similar to fungi:
15. The characteristic that make this group different from fungi is:
16. Where are you most likely to find a fungus-like protist?
17. What is the unique characteristic of plasmodial slime molds that make it such a fascinating organism?

**Key Terms:**

protists

protozoa

phytoplankton

zooplankton

dinoflagellates

algal blooms

diatoms

kelp

algae

amoebas

slime molds

Plant-like protists

Fungus-like protists