

Sec. _____ Name: _____

Experiment: Examining Protists
(B. Science 10-20-lab)

Purpose: To observe some characteristics of protists that can be observed under the microscope and to observe a video describing the major examples of protozoans.

Materials: **Part A:** microscopes
microscope slides: amoeba, paramecium, euglena, diatoms, green algae, slime molds
Part B: Science 33 "The Biology Of Flagellates & Amoebas"

Methods: **Part A Observation of Protists**

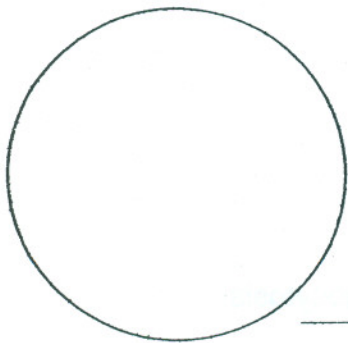
1. Place microscope slide of one of the specimens listed in materials part A under the microscope. Focus the image and draw a sketch of the organism in the proper circle found in results part A. Record magnification.
2. Repeat this procedure for all six specimens.
3. For each organism drawn record the phylum name that it belongs to, then describe the appearance and behavior of each organism.

Part B VIDEO - "The Biology of Flagellates & Amoebas"

1. As you watch the video record the answer for each question listed in results section. The questions are in order as you watch the video.

Results:

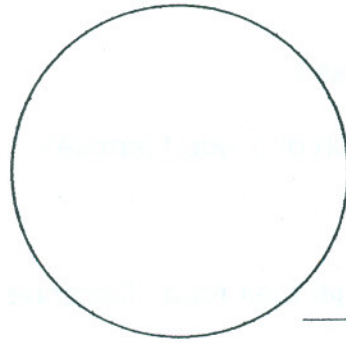
Part A Observation of protists



_____x

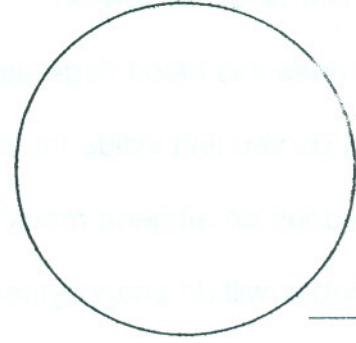
amoeba

phylum
appear.



_____x

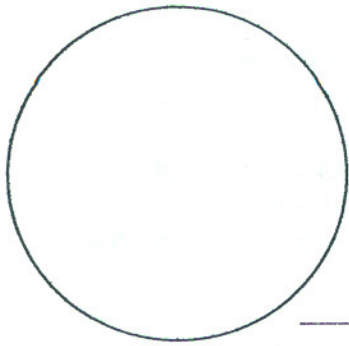
paramecium



_____x

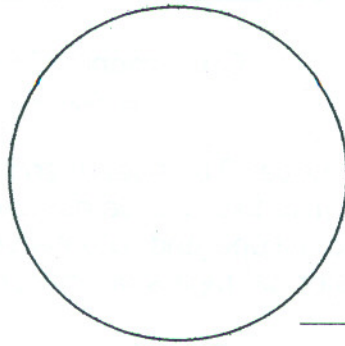
euglena,

behavior



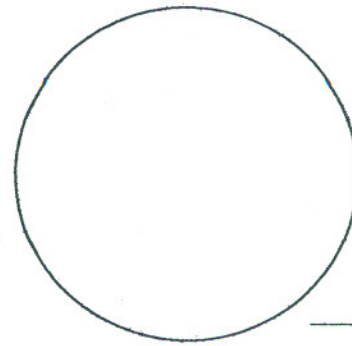
_____x

diatoms



_____x

green algae



_____x

slime mold,

phylum
appear.
behavior

_____	_____	_____
_____	_____	_____
_____	_____	_____

Part B VIDEO - "The Biology of Flagellates & Amoebas"

1. What did Leeuwenhoek discover when using the microscope?
 2. What is a protist?
 3. What are the three types of protists?
 - a. _____
 - b. _____
 - c. _____
 4. What does the Euglena contain?
 5. What does the clamydemonous contain?
 6. What are colonies?
 7. What does volvox look like?
 8. What is a bloom of volvox?
 9. What does this blood flagellate cause?
 10. What do you find inside the stomach of a wood termite?
 11. How does an amoeba move?
 12. Amoebas will do phagocytosis to get their food. Describe phagocytosis.
 13. How does an amoeba get away from an unfavorable location?
 14. What are actinopods like?
- (STOP VIDEO WHEN NARRATION STOPS)
- Discussion:
- 1a. Read Ex 15:23 and record the term that was used to describe the water at Marah?
 - 1b. Thinking of this chapter suggest what may have made the water bad?