Module 3 Biology

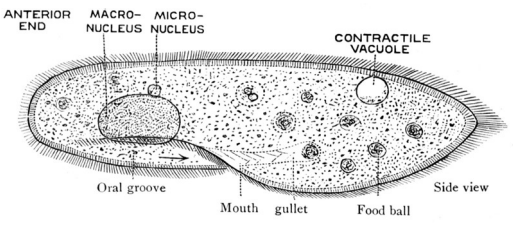
Read pages 67 – 82.

Assignment #1

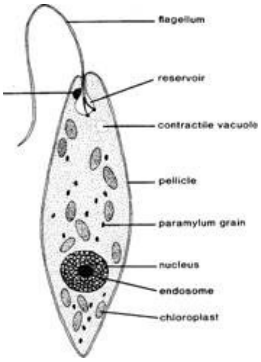
Write the answers on your own paper, not on this sheet.

1. What Kingdom are we studying in Module 3?
2. What is the main difference between this Kingdom and Kingdom Monera?
3. This kingdom is divided into two subkingdoms: Subkingdom Protozoa and Subkingdom Algae. Indicate which subkingdom each organism listed below belong to:
   a. Exist as single cells
   b. Live as a colony
   c. Heterotrophic
   d. Autotrophic
   e. Has a method of moving around
   f. Just floats in water
4. For each phylum of Protozoa, list the method of locomotion and the name of an example.
   a. Sarcodina
   b. Flagellates
   c. Ciliophora
   d. Sporozoa
5. What's a pseudopod?
6. How do Amoebas get food?
7. What does a contractile vacuole do?
8. What pigment is necessary for photosynthesis and where is it stored in a cell?
9. Name three types of symbiosis. What is the difference between each type?
10. How is the nucleus of a paramecium different than the nuclei of other protozoans?
11. What happens when the paramecium's oral groove is full of food?
12. A cell reproduces using spores. Is that asexual reproduction or sexual reproduction?
13. Name three diseases or illnesses caused by pathogenic protozoans.
14. Name the phylum of each organism shown below.

a.



b.



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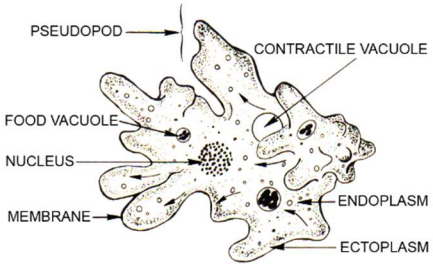

Module 3 Biology

Assignment #2

Read pages 83 - 92.

Write the answers on your own paper, not on this sheet.

1. What is the difference between zooplankton and phytoplankton?
2. What type of organism produces the majority of the oxygen on earth? (The answer is NOT plants!)
3. What is a thallus?
4. What is a sessile colony?
5. Match the phylum with the correct organism:

a. Phylum Chlorophyta	1. Diatoms
b. Phylum Chrysophyta	2. Red algae
c. Phylum Pyrrophyta	3. Brown algae
d. Phylum Phaeophyta	4. Green algae
e. Phylum Rhodophyta	5. Dinoflagellates that cause red tide

6. What is diatomaceous earth and what is it used for?
7. What is alginic acid from brown algae used for?
8. Which two phyla of algae contain multi-cellular organism?
9. Look up “algae fuels” online. What are they and what are they used for?