

Cells, Tissues, Organs and Systems

Assignment #7 Unicellular Organisms & Systems

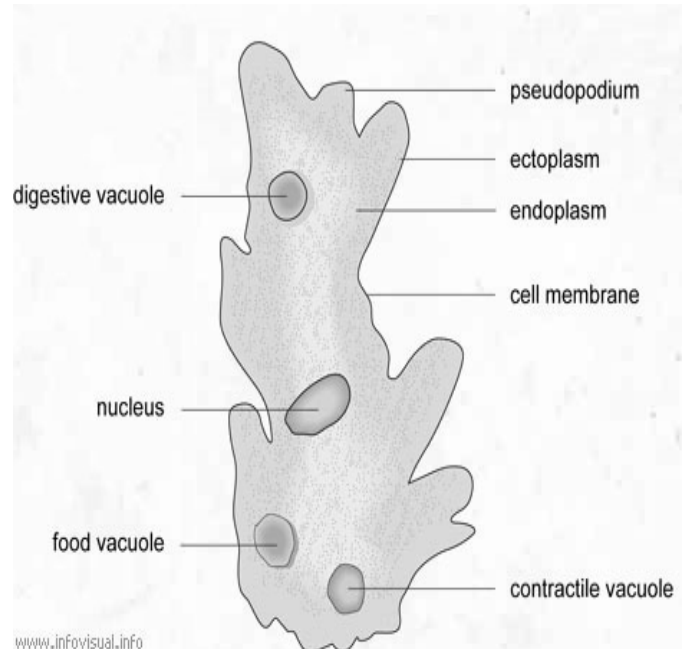
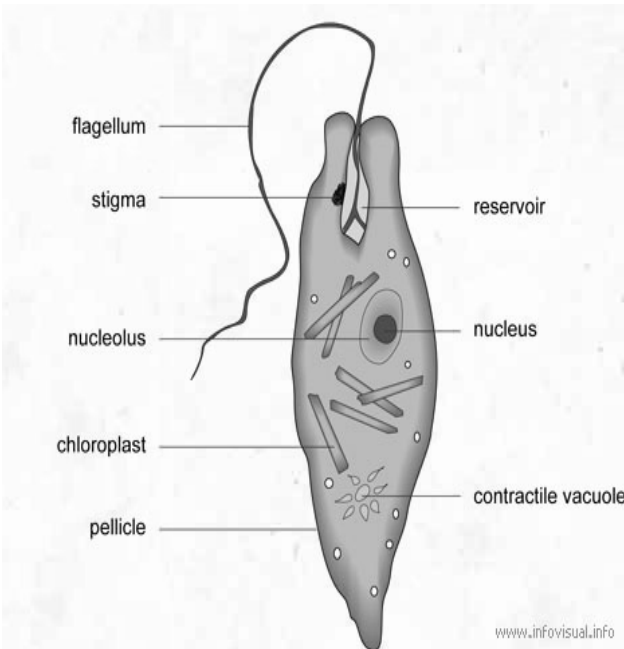
NAME: _____

Date Due: _____

1. What is the difference between a cell, tissue and an organ?

2. Organize these terms from smallest to largest. (Organ system, tissue, cell, organ and molecule)

3. Identify each unicellular organism.



4. Why are diatoms called plant like Protists?

5. Complete the table below comparing a plant cell to a euglena.

<u>Plant Cell</u>	<u>Euglena</u>

6. Which of these unicellular organisms don't have a nucleus?

7. Knowing what you do about osmosis. Why do euglena, paramecium and amoebas need contractile vacuoles? (A contractile vacuole will expel excess water.) Recall what kind of water they all live in.

8. Compare the process of feeding in a paramecium and amoeba.

<u>Paramecium</u>	<u>Amoeba</u>

9. Compare the movement of these organisms.

<u>Paramecium</u>	<u>Amoeba</u>	<u>Euglena</u>	<u>Bacteria</u>

10. Penicillin is an antibiotic that weakens the cell wall of bacteria. The sugars and proteins in the cytoplasm of the bacteria are in higher concentration than outside of the cell. Using your knowledge of osmosis DRAW and LABEL how penicillin kills bacteria in at least 3 stages.

11. Why can yeast make its own food?

12. What is a microorganism?

<ul style="list-style-type: none"><input type="checkbox"/> Not completed on due date<input type="checkbox"/> Answers lacked effort and/or knowledge<input type="checkbox"/> Shows little understanding of Unicellular organisms more studying is needed<input type="checkbox"/> Many or all questions must be redone #'s _____<input type="checkbox"/> Parent signature required or receive 0. 50% with a parent signature and redone <p>X _____</p>	<ul style="list-style-type: none"><input type="checkbox"/> Completed with accuracy<input type="checkbox"/> More explanation needed for some answers<input type="checkbox"/> Shows good understanding of Unicellular organisms<input type="checkbox"/> More or a better explanation is needed for questions #'s _____	<ul style="list-style-type: none"><input type="checkbox"/> Completed with detail<input type="checkbox"/> Excellent explanations given<input type="checkbox"/> Shows excellent understanding of Unicellular organisms<input type="checkbox"/> Little or no further explanation is needed Fine tune questions #'s _____ <p style="text-align: center; font-size: 24pt;">/12</p>
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