Unit 4: Protist Study Guide

1. Which protist moves using cilia?

paramecium

2. Both the euglena and volvox use a whip-like structure known as a(n) _____ to move:

flagellum

3. If an amoeba was produced without the ability to use pseudopods, how would this affect the amoeba?

It would not be able to move or get food

4. How do parameciums get food?

They move their cilia to sweep food into the oral groove.

5. Which protist can capture food AND convert sunlight into energy/food?

euglena

6. Why are euglenas and volvox green?

They have chloroplasts filled with chlorophyll.

7. If a volvox was produced without chloroplasts, how would this affect its chances of survival?

The volvox would not be able to make food from sunlight.

8. How are volvox different from amoebas, euglenas, and paramecium?

Volvox live and move as a colony.

9. True or false: Euglena are plants.

10. The name *euglena* is derived from two Greek words meaning "good eyeball." This name refers to the presence of a reddish eyespot on the euglena's body. What does this eyespot help the euglena find?

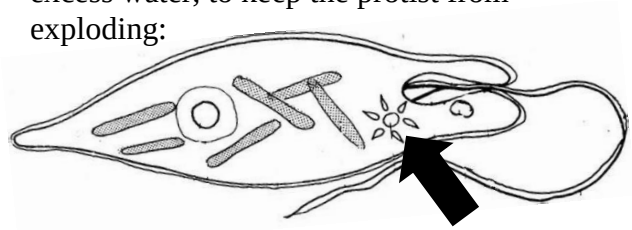
light

11. The word "pseudopod" means:

false foot

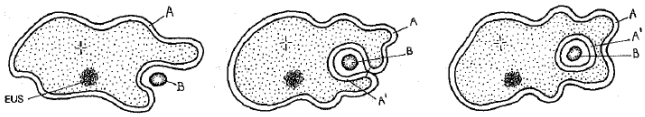
12. True or False: "Protist" is a special category of living things – different from plants and animals.

13. This star-shaped organelle helps remove excess water, to keep the protist from exploding:



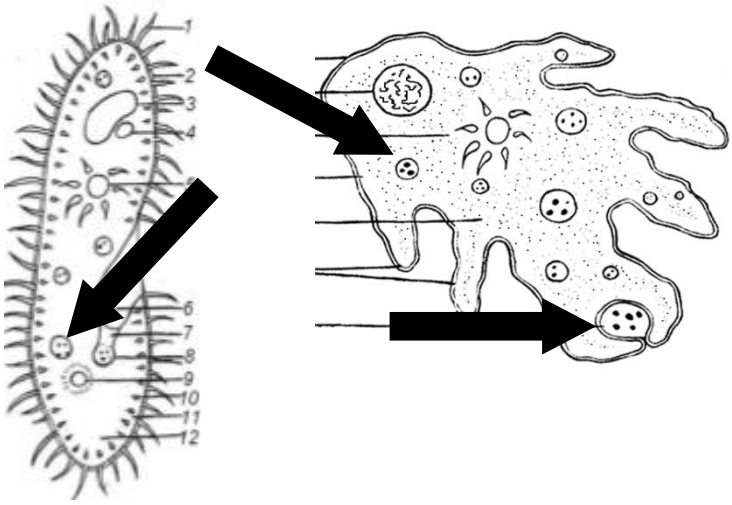
contractile vacuole

14. The picture below shows which protist consuming food?



amoeba

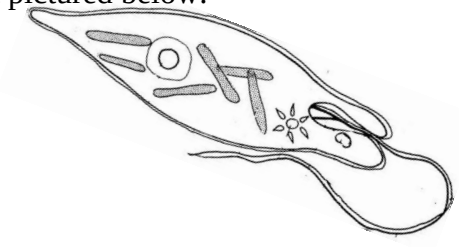
15. Because they must consume food, both amoeba and paramecium will have a bubble inside the cell that contains the nutrients the protist needs to survive. What is the name for this bubble?



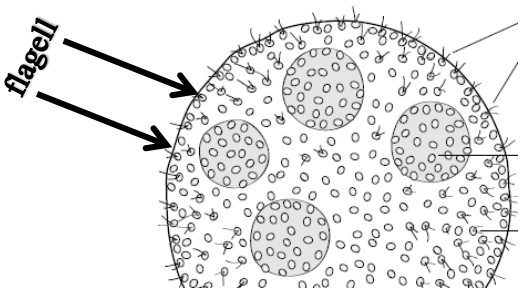
food vacuole

16. Name the protist pictured below:

euglena



17. What function can be performed by a euglena but not by a paramecium?
photosynthesis



18. Which structure in a paramecium carries out a function similar to that of the labeled structure in the volvox?
cilia

19. Why do paramecium use cilia and amoebas use pseudopods?
For getting food and moving

20. Single-celled organisms may move using
amoeba – pseudopods
euglena & volvox – flagella
paramecium - cilia