**Ch 29: Protists**

1. List the defining features of eukaryotes.
2. Define endosymbiosis and explain how it relates to the evolution of mitochondria and chloroplasts.
3. Explain why mitosis is not believed to have evolved all at once.
4. Describe the feature that distinguishes protists from other eukaryotes.
5. Define monophyletic.
6. Describe the various kinds of protist cell surfaces.
7. List the two main means of locomotion used by protists.
8. Distinguish between phototrophs, phagotrophs, and osmotrophs.
9. List the main features of , and give examples of, diplomonads and parabasalids.
10. Identif6y the distinguishing feature of the members of Alveolata.
11. Describe the swimming motion of a dinoflagellate.
12. Explain the function of the apical complex in Apicomplexans.
13. Describe the characteristic features of the Stramenopila.
14. Describe the composition of the unique shells of diatoms.
15. Explain how the oomycetes are distinguished from other protists.
16. Describe the evolutionary significance of the chanoflagellates.
17. Explain how amoebas move.
18. Distingush between the shells of most foraminifera and thos of diatoms.
19. Distingush between cellular and plasmodial slime molds.

