

Study Guide for Test over Kingdoms *Protista and Fungi*

1. First let's organize the organisms we've been studying for the last few weeks...

Domain _____

Kingdom _____

Type 1) Animal-like _____

Phylum _____

Phylum _____

Phylum _____

Phylum _____

Type 2) Plant-like _____

Phylum _____

Phylum _____

Phylum _____

Phylum _____

Type 3) Fungus-like _____

Phylum _____

Phylum _____

Phylum _____

Phylum _____

Kingdom _____

Phylum _____

Phylum _____

Phylum _____

Phylum _____

Kingdom Protista

2. What are the two major characteristics that define Domain Eukarya?

3. What is controlling water balance called? Why is this important? What organelle is responsible for this?

4. There are 3 major types of protists. What is each group generally called and how is each group classified?

1.

2.

3.

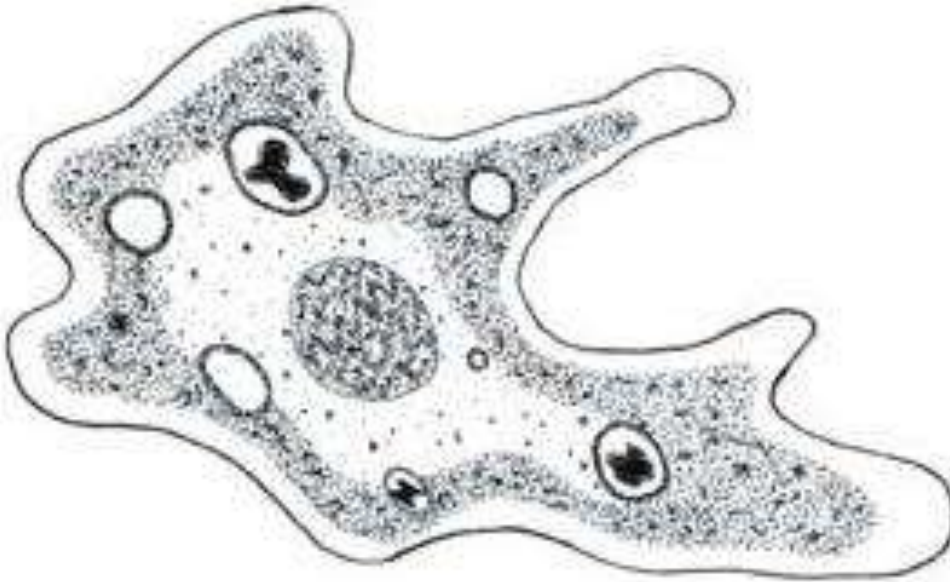
5. What makes the animal-like protists like animals?

6. What makes up the Phylum Sarcodina? _____

7. How do Sarcodinians move and what structure is responsible for that movement?

8. How do they eat?

9. Label the following structures on this amoeba: Endoplasm, Ectoplasm, Pseudopod, Nucleus, Food vacuole.



10. What are members of the Phylum Zoomastigina called? _____

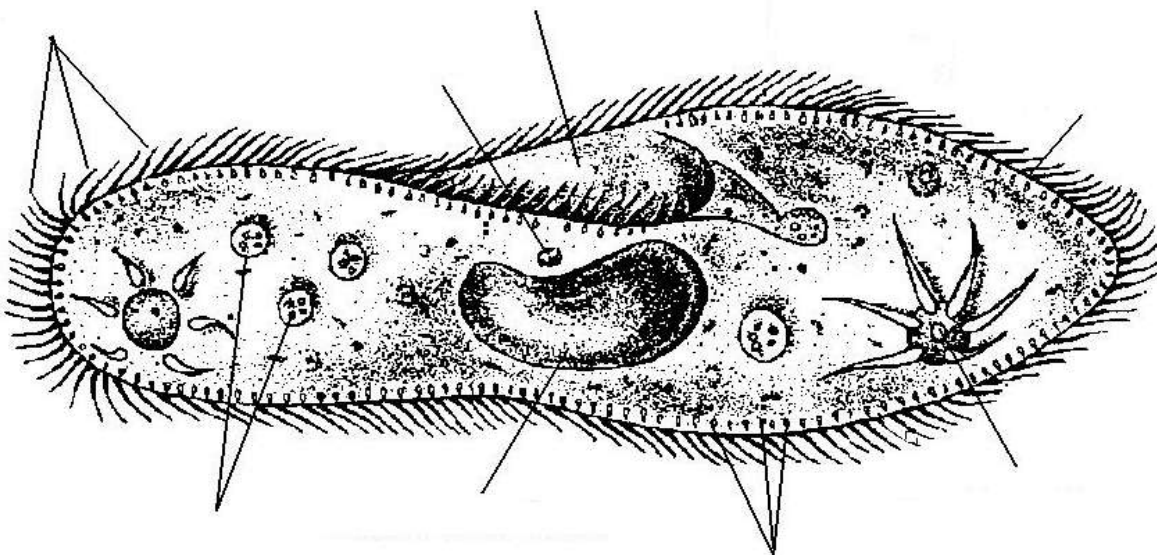
11. How do they move?

12. What are members of the Phylum Ciliophora called? _____

13. What are trichocysts?

14. What is the oral groove?

15. Label the ciliate below.



16. Why are the plant-like protists plant-like?
17. Describe the nutrition (feeding strategy) of algae.
18. What is an example of brown algae?
19. What is an example of golden algae?
20. What are some major characteristics of the fungus-like protists?
21. What important ecological roles do protists play?

Kingdom Fungi

22. What is mycology?
23. List the 4 main types of fungi AND give an example of each.
24. What are the 4 main characteristics of fungi?
25. Explain 4 reasons why fungi are different from plants.
26. Define hyphae. Explain what it does and where it's located.

27. Define mycelium. Explain what it does and where it's located.

28. What is a lichen?

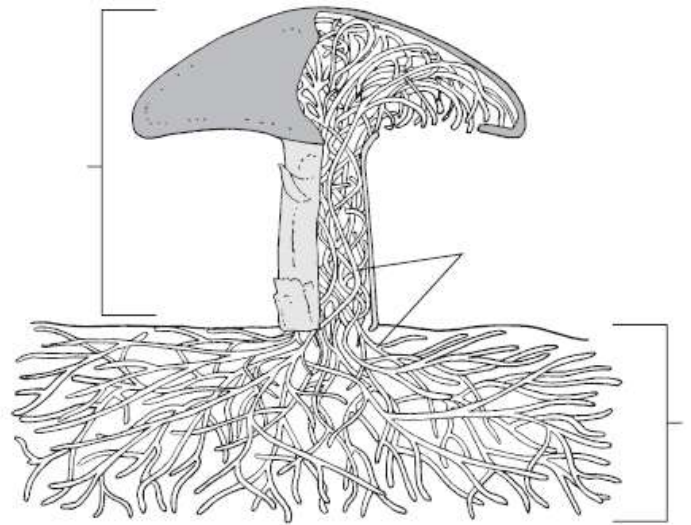
29. What are the 3 major types of lichens? How can you tell them apart?

30. What is the "fruiting body" of a fungus?

31. What is a fairy ring and why does it form?

32. Label the parts of a fungus to the right. →

33. Where are sporangia found in fungi?



34. What is an ascus?

35. Where on a basidiomycete are the basidia found?

36. What are saprobes (a.k.a. saprophytes)?