

Study Guide for Unit 1 Test

Zoology, January 30, 2018

Unit 1: Characteristics and Classification of Animals

1. Define zoology.
2. Define evolution and understand the five pieces of evidence for evolution.
3. Describe natural selection.
4. What is classification?
5. What is taxonomy?
6. Identify taxonomic categories from largest to smallest.
7. What system is used to name organisms? Why do we use this instead of a common name?
8. Identify the 3 domains and the kingdoms contained within each.
9. What major characteristics separate the 3 domains?
10. Differentiate between prokaryotic and eukaryotic cells.
11. What is a cladogram?
12. Review cladogram activities. Given a cladogram, be able to answer evolutionary questions. Be able to create a cladogram showing evolutionary relationships among organisms.
13. Name and describe the five grades of organization. Provide an example for each grade.
14. Define symmetry.
15. Identify the three types of animal symmetry and provide an example of each.
16. Define all regions of bilaterally symmetrical animals.
17. Define body cavity.
18. Name and describe the three types of body cavities. Provide an example for each.
19. Identify three germ layers and how they are different in each body cavity type. (see diagrams on slide 24)
20. Define metamerism. How does this benefit these organisms? Examples?
21. Why is Kingdom Protista the most diverse kingdom?
22. What are protists and why are they classified within their own group?
23. Protists can be _____-like, _____-like, or _____-like.
24. Explain why classification of protists is likely to change in the future.
25. Identify characteristics of animal-like protists. Provide an example.
26. Identify characteristics of plant-like protists. Provide an example.
27. Identify characteristics of fungus-like protists. Provide an example.
28. Describe structures protists may use to move. (cilia, flagella, pseudopods)
29. Identify the type of reproduction performed and how nutrients are obtained by the four protists in your foldable.
30. What is one major factor that can determine whether an organism will reproduce sexually or asexually?
31. Malaria is transmitted by mosquitos passing on what type of protist?
32. Describe the function of the eyespot in some protists.

All material from notes, lecture, and videos are fair game for the test. The test will consist of multiple choice, short answer, labeling, and microscope identification.