

Biology 11
Annelid & Mollusk Review

1. This phylum includes earthworms & leeches.
2. This phylum includes snails, clams, and squids.
3. Name the three classes of annelids.
4. Annelids are classified by the presence or absence of one of these two structures.
5. What are the two sets of muscles in earthworms, and how they work together for movement?
6. ~~What are the muscles of an earthworm anchored to?~~
7. What is the name of the long tubules used to excrete metabolic wastes called?
8. What is the function of the pharynx, the crop, the gizzard and the intestine during digestion in the earthworm?
9. What is the name of the simple hearts used by the earthworm? How many of these structures are there?
10. Explain how blood flows around the earthworm?
11. Where is the brain of the earthworm located?
12. The earthworm's brain has two large nerves that connect to the _____.
13. Do earthworms reproduce sexually or asexually?
14. Explain how they perform that type of reproduction.
15. How is being a hermaphrodite beneficial to an earthworm?
16. What is the function of the clitellum? Describe the appearance & location.
17. Where does fertilization take place in the earthworm?
18. Fan worms & clam worms belong to which class? _____.
19. Leeches belong to which class? _____
20. Give a common characteristic of polychaetes?
21. Do polychaetes have setae or parapodia?
22. Give a function, other than movement, that the polychaetes use their parapodia for?
23. What are the tubes of fanworms made of?
24. Do leeches have setae or parapodia?
25. Name the two things that leeches secrete into their host to ensure a long feeding?

26. Describe the body of a leech and how its adaptations make it suited to its niche.
27. Name the three parts that are common to all mollusks.
28. Name three ways that mollusks can get food.
29. Do mollusks reproduce asexually or sexually?
30. Name the four most familiar classes of mollusks.
31. Chitons belong to which class of mollusks?
32. Describe the radula and give its function?
33. Name a gastropod that can be found on land and another that can be found in water.
34. The main characteristic common to all bivalves is _____
35. How do bivalves ingest and digest food?
36. In cephalopods, the foot is considered to be the _____
37. What kind of a nervous system does a cephalopod possess?
38. Which class of mollusks has a closed circulatory system?
39. Compare & contrast the reproductive methods of land and water-based mollusks.
40. Compare and the contrast respiration in the earthworm and in the gastropods.
41. Label the diagrams of the earthworm & squid.

