**Phylum Annelida** Name: Date:

**Refer to pages 694 – 699 and answer the following questions about Phylum Annelida.**

1. What does Annelida mean and what does this name refer to?
2. What are septa and what do they do?
3. Bristles on an annelid are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and can be used to help the worm move.
4. Compared to Platyhelminthes (flatworms) and Nematoda (roundworms), what two advancements do Annelida have?
5. Draw a cross section showing the dermal layers and coelom of annelids.
6. Describe feeding and digestion in an earthworm using five different structures involved in the digestive process.
7. What type of circulatory system to annelids have? Explain this system.
8. Annelids that live in the water use \_\_\_\_\_\_\_\_\_\_\_\_\_ for respiration (to breathe). Land-dwelling annelids like earthworms use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to take in oxygen and give off carbon dioxide.
9. Excretory organs which filter fluid in the coelom are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
10. Describe the nervous system of an annelid.
11. Earthworms moves by alternating contractions between two muscle groups, and by using setae to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
12. Marine annelids have appendages that act like paddles called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
13. Annelids typically reproduce \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
14. What is a clitellum and what does it do? Draw a quick sketch of an earthworm and label the clitellum.
15. Oligochaete is a class of annelids that typically have \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ bodies, relatively \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ compared to polychaetes and live in \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
16. Leeches are in the class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_which are typically \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ that suck the blood and body fluids of their host.
17. What are leeches used for in medicine?
18. Sandworms and bloodworms are in the class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ which live in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and have paired, paddle-like appendages tipped with setae.
19. What did Aristotle call the earthworm?

**Virtual Dissection**: Go to the following website to help you label your earthworm both inside and outside.

<http://www.mhhe.com/biosci/genbio/virtual_labs/BL_14/BL_14.html>



