

### Biology 102 Assignment Three

1. What embryonic stage is common to the development of all animals?
2. What is the main difference between a colonial organism and an organism that is truly multicellular?
3. Your circulatory system distributes nutrients, wastes, and oxygen between different parts of your body. How do sponges accomplish these transport functions?
4. What are three functions of a cnidarian's gastrovascular cavity?
5. Flatworms and cnidarians differ in symmetry, but the animals of both phyla are similar in that they possess \_\_\_\_\_ systems.
6. The fully lined cavity between your body wall and your digestive tract is an example of a?
7. Why is it a mistake for someone who eats pork chops to order them "rare" in a restaurant?
8. As representatives of classes of mollusks, a garden snail is an example of a \_\_\_\_\_; a clam is an example of a \_\_\_\_\_; and a squid is an example of a \_\_\_\_\_.
9. What feature of your skeleton is an example of segmentation?
10. What is the main difference between the digestive tract of an earthworm and the gastrovascular cavity of a cnidarian, such as a jelly?
11. The phylum Arthropoda derives its name from its member's \_\_\_\_\_.
12. Most of the Earth's living species are what?
13. Contrast the skeleton of an echinoderm with that of an arthropod.
14. What four features do all chordates share in common?
15. What are the five major classes of vertebrates?
16. Vertebrate jaws have evolved from the skeletal rods supporting what structure?
17. What is metamorphosis?
18. What are two hallmarks of mammals?
19. Where do reptiles get their body heat?
20. Where do a bird's feathers derive from?