Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Biology Test – Module #11

Matching: Match each term with the correct definition.

|  |  |
| --- | --- |
| 1. \_\_\_\_ invertebrates | 1. Animals that lack a backbone |
| 1. \_\_\_\_ vertebrates | 1. A tough, multilayered structure secreted by the mantle, generally used for protection, but sometimes for body support |
| 1. \_\_\_\_ spherical symmetry | 1. An outer layer of cells designed to provide protection |
| 1. \_\_\_\_ radial symmetry | 1. Masses of nerve cell bodies |
| 1. \_\_\_\_ bilateral symmetry | 1. Animals that posses a backbone |
| 1. \_\_\_\_ epidermis | 1. An organism possesses radial symmetry if it can be cut into two identical halves by an long cut through its center |
| 1. \_\_\_\_ nematocysts | 1. A muscular organ that is used for locomotion and takes a variety of forms depending on the animal |
| 1. \_\_\_\_ anterior end | 1. An organism possesses bilateral symmetry if it can only be cut into two identical halves by a single long cut along its center which divides it into right and left halves |
| 1. \_\_\_\_ posterior end | 1. Possessing both the male and the female reproductive organs |
| 1. \_\_\_\_ ganglia | 1. An organism possesses spherical if it can be cut into two identical halves by any cut that runs through the organisms center |
| 1. \_\_\_\_ hermaphroditic | 1. The end of the animal that contains its tail |
| 1. \_\_\_\_ shell | 1. Small capsules that contain a toxin which is injected into prey or predators |
| 1. \_\_\_\_ foot | 1. The end of an animal that contains its head |

True or false: Determine whether each statement is true or false.

1. \_\_\_\_ All animals in Kingdom Animalia can be split into two groups: Vertebrates and Invertebrates
2. \_\_\_\_ There are close to 1,000,000 types of invertebrates.
3. \_\_\_\_An ant would be an example of spherical symmetry.
4. \_\_\_\_ The term “asymetrical” means that an organism has no symmetry.
5. \_\_\_\_ Sponges feed by acting like a filter.

Short answer: Complete each list

1. Classification can be done by using what three things?
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. A sponge can be made of what two substances?
   1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiple choice: Choose which option best answers each question.

1. \_\_\_\_ Which phylum are “segmented” worms?
   1. Cnideria
   2. Annelida
   3. Mollusca
   4. Nematode
2. \_\_\_\_ Which of the following is not in the same phylum as ticks?
   1. Spiders
   2. Crustaceans
   3. Salamanders
   4. Insects
3. \_\_\_\_ What animal, if it were to brush up against a hydra, would not be affected?
   1. Puff-fish
   2. Blue marlin
   3. Shrimp
   4. Barnacle
4. \_\_\_\_ If you were to observe a sidewalk that a snail had just traveled across, what would you expect to find?
   1. A penny
   2. A trail of slime
   3. More snails following
   4. Nothing
5. \_\_\_\_ What organism is also called a “tireless, natural pump?”
   1. Ticks
   2. Octopus
   3. Squid
   4. Sponge