Science Test – Chapter 15 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Score: \_\_\_\_\_\_\_\_\_\_\_\_ Reading %:\_\_\_\_\_\_ Points:\_\_\_\_\_\_\_\_

Matching: Match each term with the correct definition.

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| 1. \_\_\_\_ ganglion | 1. A number of neurons arranged side by side and wrapped in a protective covering |
| 1. \_\_\_\_ nematocyst | 1. An organism that obtains food from water circulating through its body |
| 1. \_\_\_\_ nephridia | 1. A mass of nerve tissue; sometimes called a simple brain in many invertebrates |
| 1. \_\_\_\_ bilateral symmetry | 1. Organs that help to control blood pressure in earthworms |
| 1. \_\_\_\_ radial symmetry | 1. In animals, a blood vessel that carries blood toward the heart |
| 1. \_\_\_\_ nerve | 1. A type of symmetry in which there are two equal sides to an animal; only one possible plane will divide it into equal halves |
| 1. \_\_\_\_ skeleton | 1. A type of stinging cell possessed by cnidarians; used for defense or for capturing food |
| 1. \_\_\_\_ stimulus | 1. Anything that causes a response in an organism |
| 1. \_\_\_\_ vein | 1. A type of symmetry in which several different planes could divide an animal into equal halves |
| 1. \_\_\_\_ neuron | 1. A long, thin nerve cell that carries impulses between various parts of the body |
| 1. \_\_\_\_ sensory receptor | 1. One of many small blood vessels that have walls that are one cell thick; materials are exchanged between the blood and other body tissues in the capillaries |
| 1. \_\_\_\_ capillary | 1. A structure capable of receiving a stimulus from the environment and sending an impulse along a neuron |
| 1. \_\_\_\_ filter feeder | 1. A structure in animals and humans which provides mechanical support for muscle attachment and maintaining body shape |
| 1. \_\_\_\_ closed circulatory system | 1. Tubelike structures that filter wastes from the blood in some organisms |
| 1. \_\_\_\_ aortic arches | 1. A type of circulation in which the blood remains in the blood vessels |

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

1. \_\_\_\_ Sponges belong to the phylum Porifera.
2. \_\_\_\_ Roundworms live in the intestine.
3. \_\_\_\_ A worm eats soil.
4. \_\_\_\_ The earthworm has a closed circulatory system.
5. \_\_\_\_ A worm breathes with its lungs.
6. \_\_\_\_ The bristles on a worm aids in it moving.
7. \_\_\_\_ A planarian gets rid of its waste through its mouth.
8. \_\_\_\_ A sponges skeleton is made of sponging and spicules.
9. \_\_\_\_ A chemical would not be an example of a stimulus.
10. \_\_\_\_ A jellyfish uses its tentacles to capture food.

Short answer: Answer each question with complete sentences.

1. What does the word *invertebrate* literally mean?

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1. What is the key characteristic of sponges?

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1. How many longitudinal nerves does a planarian have?

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1. Is it true that worms have a crop and a gizzard?

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Multiple choice: Choose the option that best answers each question.

1. \_\_\_\_ Which animal is an example of having a hydrostatic skeleton?
   1. Jellyfish
   2. Earthworm
   3. Roundworm
   4. Planarian
2. \_\_\_\_ Which animal is an example of a parasite?
   1. Earthworm
   2. Jellyfish
   3. Roundworm
   4. Sponge

Extra credit:

1. The two layers of tissue found in jellyfish are called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.