Science Test 16 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

Matching: Match each term with the correct definition

|  |  |
| --- | --- |
| 1. \_\_\_\_ artery
 | 1. Small, tubular structures of echinoderms; used for locomotion and feeding
 |
| 1. \_\_\_\_ blood
 | 1. The fluid tissue that moves through the bodies of certain organisms, carrying substances to and from cells
 |
| 1. \_\_\_\_ compound eye
 | 1. A muscular organ that pumps blood
 |
| 1. \_\_\_\_ exoskeleton
 | 1. A type of circulation in which the blood passes from blood vessels into body spaces around organs and tissues before returning to the heart
 |
| 1. \_\_\_\_ heart
 | 1. In insects, one of the tiny tubes that branch throughout the body, carrying air to the tissues
 |
| 1. \_\_\_\_ metamorphosis
 | 1. An external skeleton composed of tough plates that protect and support an animal
 |
| 1. \_\_\_\_ molt
 | 1. A changing of an animal’s shape or form as the animal develops from an egg to an adult
 |
| 1. \_\_\_\_ trachea
 | 1. Eyes having many small lenses such as insect eyes; such eyes provide a mosaic of images rather than a single image
 |
| 1. \_\_\_\_ tube feet
 | 1. A blood vessel that carries blood away from the heart
 |
| 1. \_\_\_\_ open circulatory system
 | 1. To shed scales, feathers, fur, or an exoskeleton
 |

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

1. \_\_\_\_ Arthropods have a colorless blood.
2. \_\_\_\_ The structure of arthropods is the includes four divisions – head, thorax, abdomen, and stinger
3. \_\_\_\_ 2/3 of all insects are arthropods.
4. \_\_\_\_ An octopus has 8 tentacles.
5. \_\_\_\_ A clam is a bivalve.
6. \_\_\_\_ An octopus is not able to change colors.
7. \_\_\_\_ A starfish would be an example of bilateral symmetry.
8. \_\_\_\_ Insects have endoskeletons.
9. \_\_\_\_ Clams, snails, slugs, and octopuses belong in the phylum Mollusks.
10. \_\_\_\_ One function of arthropods is that they carry disease.

Short Answer: Answer each question with complete sentences.

1. Describe how a clam moves about.

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1. What does an octopus use its siphon to do?

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1. Why does a starfish not need teeth?

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List: Complete each list

Stages of complete metamorphosis Stages of incomplete metamorphosis

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

List the three main parts of an insect’s body.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Extra Credit:

1. A male bee is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_?
2. What percent of all animal species are arthropods? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_