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

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

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

Biology Test – Module #12

Matching: Match each term with the correct definition. (2 pts)

|  |  |
| --- | --- |
| 1. \_\_\_\_ exoskeleton | 1. An eye made of many lenses, each with a very limited scope |
| 1. \_\_\_\_ molt | 1. The organ of balance in a crustacean |
| 1. \_\_\_\_ thorax | 1. To shed an old outer covering so that it can be replaced with a new one |
| 1. \_\_\_\_ abdomen | 1. A body covering, typically made of chitin, that provides support and protection |
| 1. \_\_\_\_ cephalothorax | 1. Insect development consisting of four stages: egg, larva, pupa, and adult |
| 1. \_\_\_\_ compound eye | 1. An eye with only one lens |
| 1. \_\_\_\_ simple eye | 1. A body region composed of the head and thorax fused together |
| 1. \_\_\_\_ statocysts | 1. The body region posterior to the thorax |
| 1. \_\_\_\_ complete metamorphosis | 1. Insect development consisting of three stages: egg, nymph, and adult |
| 1. \_\_\_\_ incomplete metamorphosis | 1. The body region between the head and the abdomen |

True or false: Determine whether each statement is true or false. (1 pts)

1. \_\_\_\_ A crayfish needs its exoskeleton for support of its body.
2. \_\_\_\_ A crayfish is not able to grow its claw back if it loses one.
3. \_\_\_\_ An insect breathes through its mouth.
4. \_\_\_\_ Phylum Arthropoda is the largest phylum.
5. \_\_\_\_ One of the reasons for the success of Phylum Arthropoda is their versatile exoskeleton.

List: List at least three reasons for the success of Phylum Arthropoda. (3 pts)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (extra credit)

List: List two things spiders use their webs for. (3 pts)

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

Multiple choice: Choose which option best answers each question. (2 pts)

1. \_\_\_\_ Which of the following would not be in Class Arachnida?
   1. Spiders
   2. Ticks
   3. Grasshoppers
   4. Scorpions
2. \_\_\_\_ \_\_\_\_ Which of the follow are able to give dangerous, poisonous bites?
   1. Wolf spider
   2. Tarantula
   3. Black widow
   4. Brown recluse
3. \_\_\_\_ Which of the following build webs?
   1. Ticks
   2. Mites
   3. Scorpions
   4. Spiders
4. \_\_\_\_ Diseases are often transferred by what organism?
   1. Fireflies
   2. Crabs
   3. Ticks
   4. Flies
5. \_\_\_\_ Which of the following organisms would exemplify a complex behavior pattern?
   1. Flies
   2. Crayfish
   3. Ladybug
   4. Bee
6. \_\_\_\_ Which of the following limits the size and growth of many arthropods?
   1. Exoskeleton
   2. No lungs
   3. Weak legs
   4. They can’t eat enough
7. \_\_\_\_ Insects have how many legs?
   1. 4
   2. 6
   3. 8
   4. More than 10
8. \_\_\_\_ Which of the following is not a type of insect wing?
   1. Membranous wings
   2. Leather-like wings
   3. Feather-like wings
   4. Horny wings