

## Chapter Test 8

Name \_\_\_\_\_

### Part 1 Multiple Choice

Write the letter of the best response on the space provided.

1. \_\_\_\_ Which would have five pairs of legs?  
a. lobsters  
b. wasps  
c. ticks  
d. centipedes
2. \_\_\_\_ Which is true about the abdomen in arthropods?  
a. it is where the legs attach  
b. it is where the mouth is located  
c. it contains the respiratory structures  
d. it contains the sensory organs
3. \_\_\_\_ Which is a crustacean?  
a. a grasshopper  
b. a scorpion  
c. a crab  
d. all of these
4. \_\_\_\_ What makes up the largest class of arthropods?  
a. insects  
b. arachnids  
c. crustaceans  
d. millipedes and centipedes
5. \_\_\_\_ Which is not a characteristic of the phylum Arthropoda?  
a. a segmented body  
b. an exoskeleton  
c. jointed legs  
d. wings
6. \_\_\_\_ How many antennae do crustaceans have?  
a. five  
b. six  
c. two  
d. four
7. \_\_\_\_ How do insects guarantee many offspring?  
a. by carefully protecting their eggs  
b. by hiding their eggs  
c. by laying large numbers of eggs  
d. by breeding frequently
8. \_\_\_\_ Which class of arthropods is characterized by having a cephalothorax and eight legs?  
a. crustaceans  
b. insects  
c. arachnids  
d. millipedes
9. \_\_\_\_ Which is not a characteristic of insects?  
a. six legs  
b. two pair of antennae  
c. wings  
d. an exoskeleton
10. \_\_\_\_ How is a compound eye different from a simple eye?  
a. it is made up of facets  
b. it responds only to color  
c. it responds only to movement  
d. it works only at night
11. \_\_\_\_ To which insect order do butterflies and moths belong?  
a. Orthoptera  
b. Odonata  
c. Diptera  
d. Lepidoptera
12. \_\_\_\_ Why is it necessary for arthropods to periodically molt their exoskeleton?  
a. because the exoskeleton does not grow as the animal grows  
b. because the exoskeleton dissolves away over time  
c. because the exoskeleton often breaks and needs replacing  
d. because the exoskeleton grows and becomes too large