Name	Class	Date

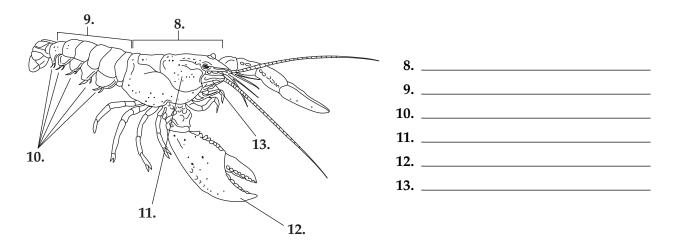
Chapter 28 Arthropods and Echinoderms

Chapter Vocabulary Review

Matching *On the lines provided, write the letter of the description that best matches each term on the left.*

 1. thorax	a. shedding of the exoskeleton	
 2. chitin	b. saclike organ of terrestrial arthropods used to extract waste from the blood	
 3. appendage	c. made of layered respiratory tissue	
 4. spiracle	d. body section behind the head that houses most of the internal organs	
 5. book lung	e. a leg or an antenna	
 6. Malpighian tubule	f. material in an exoskeletong. small opening where air enters and leaves the body of an arthropod	
 7. molting		

Labeling Diagrams *On the lines provided, label the structures of a crayfish as one of the following:* abdomen, swimmeret, cheliped, mandible, cephalothorax, *and* carapace.



Multiple Choice *On the lines provided, write the letter of the answer that best completes the sentence or answers the question.*

14. Horseshoe crabs respire through organs called

a. tracheal tubes.
b. book gills.
c. book lungs.
d. spiracles.

15. The mouthpart of a spider that contains a fang is called a

a. spinneret.
b. pedipalp.
c. chelicera.

16.	What immature form of an insect looks very much like an adult?		
	a. pupa	c. larva	
	b. nymph	d. egg	
17.	Animals that hatch into larvae that look and act nothing like their parents go through a process called		
	a. complete metamorphosis.	c. adolescence.	
	b. incomplete metamorphosis.	d. puberty.	
18.	. What chemicals do insects use to communicate?		
	a. nymphs	c. castes	
	b. chelicerae	d. pheromones	

Completion *On the lines provided, complete the following sentences.*

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- **19.** Most terrestrial arthropods breathe through a network of branching
- **20.** Spiders have mouthparts called ______ that are adapted to grab prey.
- **21.** A group of closely related animals of the same species that work together for the benefit of the whole group is called a(an)
- **22.** A group of individuals that performs a particular task within a society is called a ______.
- **23.** The system of internal tubes found in echinoderms is called a(an)
- **24.** A sievelike structure called a ______ connects the water vascular system to the water outside the animal.
- **25.** On an echinoderm, a ______ is a structure that operates much like a living suction cup.