Name	Class	Date

Section 28–2 Groups of Arthropods

(pages 720-725)

C Key Concepts

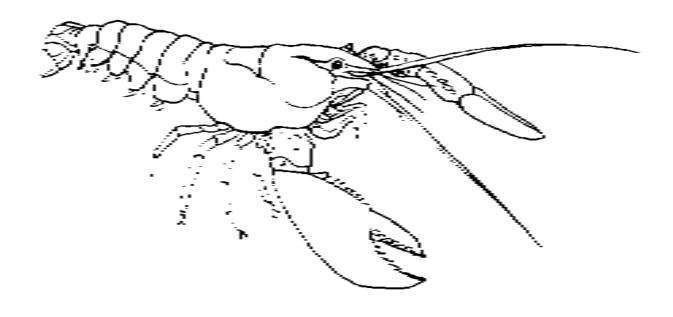
- How are arthropods classified?
- What are the distinguishing features of the three major groups of arthropods?

Introduction (page 720)

1.	What characteristics do biologists use to classify arthropods?		
2.	What are the three major groups of arthropods?		
	a		
	b		

Crustaceans (pages 720–721)

- 3. Circle the letter of each description of structures that crustaceans typically have.
 - a. two pairs of branched antennae
 - **b.** four or five body sections
 - c. chewing mouthparts called mandibles
 - **d.** two or three body sections
- **4.** Label the two body sections of a typical crustacean.



vuine	Class	_ Date			
5. The larges	st group of crustaceans is the				
6. Complete	the table about crustacean body parts.				
CRUSTACEAN BODY PARTS					
Body Part	Description				
Thorax					
	Fusion of the head with the thorax				
Abdomen					
	The part of the exoskeleton that covers the cephalothoral	ах			
Mandible					
	First pair of legs in decapods, which bear large claws				
Swimmerets					
c. They m	have an outer, shell-like covering. The nove backward by snapping a tail. The track themselves to rocks and marine animals.				
Spiders an					
	nd Their Relatives (pages 722–724)				
8. Horseshoo	nd Their Relatives (pages 722–724) e crabs, spiders, ticks, and scorpions are grouped as _				
9. Circle the	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate				
Gircle thea. four or	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate five pairs of legs				
9. Circle thea. four orb. three o	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate five pairs of legs or four body sections				
9. Circle thea. four orb. three oc. two pa	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate five pairs of legs or four body sections irs of branched antennae				
9. Circle thea. four orb. three oc. two pad. mouth	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate five pairs of legs or four body sections irs of branched antennae parts called chelicerae	es have.			
9. Circle thea. four orb. three oc. two pad. mouth	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate five pairs of legs or four body sections irs of branched antennae	es have.			
9. Circle thea. four orb. three oc. two pad. mouth10. What is th	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate five pairs of legs or four body sections irs of branched antennae parts called chelicerae	es have.			
9. Circle thea. four orb. three oc. two pad. mouth10. What is the	e crabs, spiders, ticks, and scorpions are grouped as _ letter of each description of structures that chelicerate five pairs of legs or four body sections airs of branched antennae parts called chelicerae ne function of the chelicerae?	rab prey are called			

Naı	me			
13.	What arthropods do arachnids include?			
14.	How are horseshoe crabs like and unlike crabs?			
15.	Why must spiders liquefy their food to swallow it?			
16.	Circle the letter of each sentence that is true about spiders and silk.			
	a. Spiders spin silk into cocoons for eggs.			
	b. Spinning webs seems to be a programmed behavior.			
	c. Spinnerets are organs that contain silk glands.			
	d. Tarantulas cannot produce silk.			
17.	Is the following sentence true or false? Mites and ticks are often parasitic.			
18.	Scorpions have pedipalps that are enlarged into			
19.	What do ticks transmit that cause Rocky Mountain spotted fever and Lyme disease?			
lns	sects and Their Relatives (page 725)			
20.	Centipedes, millipedes, and insects are all grouped as			
21.	Circle the letter of each description of structures that uniramians have.			
	a. one pair of antennae			
	b. unbranched appendages			
	c. mouthparts called chelicerae			
	d. jaws			
22.	Why are centipedes restricted to moist or humid areas?			
23.	How many pairs of legs does each body segment of most centipedes have?			
24	How many pairs per segment do millipedes have?			
-7.				