lame		Date	Class		
HAPTER	) EST PREP PRETEST				
	Arthropods				
	-				
	provided, write the letter of the tes each statement or best answ				
	1. Subphylum Uniramia includ				
	a. insects. b. millipedes.	c. centiped d. All of th			
	<ol> <li>Living arthropods are tradit on their</li> </ol>	g arthropods are traditionally separated into two large groups based			
	a. mouthparts. b. legs.	c. antenna d. eyes.	е.		
	3. Arthropods periodically shed and discard their exoskeletons as they grow in a process called				
	<ul><li>a. reproduction.</li><li>b. segmentation.</li></ul>	c. ecdysis d. metamo			
	4. Members of the arthropod s	ubphylum Chelicera	ata include		
	<ul><li>a. crabs and lobsters.</li><li>b. spiders and scorpions.</li></ul>	c. insects. d. milliped	les and centipedes.		
		·			
	6. Most crustaceans have a distinctive larval form called a(n)				
	a. egg. b. juvenile.	c. pupa. d. naupliu	s.		
	7. Centipedes have a head regi				
	<ul><li>a. 15 segments.</li><li>b. 30 segments.</li></ul>	<b>c.</b> 170 seg <b>d.</b> 1,000 se			
	8. Which of the following char	acteristics is NOT s	hared by all insects?		
	a. three body sections	c. three p	airs of legs		
	<ul><li>b. five-part radial symmetry</li><li>9. In a young insect's final mo</li></ul>	•	r of antennae		
<b>.</b>	physical change called	it to the addit stage	, it undergoes a process of		
	<ul><li>a. segmentation.</li><li>b. reproduction.</li></ul>	c. metamo d. ecdysis			
	10. The head, thorax, and abdor				
	<ul> <li>a. are separate segmented s</li> <li>b. form two sections, the ce</li> <li>c. are fused to form a singl</li> <li>d. form two sections, the here</li> </ul>	phalothorax and the body.			

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- \_ 11. Insect wings are attached to the
  - a. head.
  - b. appendages.

- c. abdomen.
- d. thorax.

<u>13. Specialized structures in arthropods, called Malpighian tubules, are</u> important in

a. respiration.

c. reproduction.

b. excretion.

- d. sensing movement.
- \_\_\_\_ 14. The three main body segments of all arthropods are the
  - a. cephalothorax, abdomen, and appendages.
  - b. head, cephalothorax, and appendages.
  - c. thorax, appendages, and spiracles.
  - d. head, thorax, and abdomen.

## . . . . . . . . . . . . .

In the space provided, write the letter of the description that best matches the term or phrase.



- a. flattened, paddlelike appendages at the end of a decapod's abdomen
- b. a body section of some arthropods formed by the fusion of the head with the thorax

## d. a decapod's tail spine

- e. a network of fine tubes used for respiration by many arthropods
- f. the shell-like structure that encases the bodies of arthropods
- i. a second pair of appendages used by arachnids to catch and handle prey
- j. appendages attached along the underside of the abdomen that are used by lobsters and crayfish for swimming and reproduction
- k. the term for having a body divided into sections
- 1. the shield that covers a decapod's cephalothorax
- m. fingerlike excretory organs
- o. an opening that functions during respiration in many arthropods
- p. made of thousands of individual units, each with its own lens and retina

Complete each statement by writing the correct term or phrase in the space provided.

- 31. The \_\_\_\_\_\_\_, early arthropods, were the first animals with eyes capable of forming images.
- 32. \_\_\_\_\_ were the first animals with wings to evolve.
- 33. An arthropod must shed its \_\_\_\_\_\_ to grow.
- 34. In the grasshopper, three fused ganglia serve as the \_\_\_\_\_\_
- 35. In incomplete metamorphosis, the juvenile, or \_\_\_\_\_\_, is essentially a smaller version of the adult.
- 36. The role played by an individual ant in a colony is called its \_\_\_\_\_\_
- 37. In the grasshopper, there are four kinds of mouthparts: labium and labrum,

which function as \_\_\_\_\_; mandibles, which function as

\_\_\_\_\_; and maxillas, which function as \_\_\_\_\_

- 38. A compound eye sees \_\_\_\_\_\_ more quickly than the vertebrate eye but does not see as clearly.
- 39. Deer ticks may carry the virus that causes \_\_\_\_\_

Questions 41-43 refer to the figure below.



41. The process taking place in the figure above is \_\_\_\_\_\_

42. The stage labeled D shows the \_\_\_\_\_\_, while the stage labeled

A shows the \_\_\_\_\_.

43. During this process, the \_\_\_\_\_\_ is closed within a protective

capsule called a(n) \_\_\_\_\_\_, labeled C.

44.	Crabs and lobsters are members of the subphylum of arthropods known as		
47			
	In terms of diet, centipedes are, while millipedes are		
Rea	nd each question, and write your answer in the space provided.		
49.	List four important characteristics of arthropods.		
51.	Distinguish between centipedes and millipedes.	Ġ	
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