Name Class	Date
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SECTION 26-1 REVIEW

INTRODUCTION TO THE ANIMAL KINGDOM

CABUL	ARY REVIEW Distinguish between the terms in each of the following pairs of terms.				
vertebr	rate, invertebrate				
protosto	ome, deuterstome				
3. radial symmetry, bilateral symmetry					
ectoder	rm, mesoderm, endoderm				
JLTIPLE	CHOICE Write the correct letter in the blank.				
1.	Invertebrates account for				
	 a. fewer than 5 percent of all animal species. b. about 50 percent of all animal species. c. about 25 percent of all animal species. d. more than 95 percent of all animal species. 				
2.	Which of the following statements accurately describes animals?				
	 a. All animals are multicellular, all are heterotrophic, and all lack cell walls. b. All animals are multicellular, some are heterotrophic, and some have cell walls. c. Some animals are multicellular, all are autotrophic, and all lack cell walls. d. Some animals are multicellular, some are heterotrophic, and some lack cell walls. 				
3.	Cephalization is associated with				
	a. bilaterally symmetrical animals.b. radially symmetrical animals.c. sponges.d. hydras.				
4.	Invertebrates are				
	 a. a subphylum of the phylum Vertebrata. b. members of a single large phylum. c. animals with a complete absence of body symmetry. d. a special group of animals that share a common characteristic. 				
5.	Body parts formed by the mesoderm include the				
	a lungs h liver a museles d paparees				

Na	nme	Class	Date
SF	HORT ANSWER Answer the questions	in the space provided.	
1.			
2.	The bodies of most animals contain four basi body? (p.657)	c types of tissues. What are the fo	ur tissues that make up an animal's
3.	Why is cephalization important to animals? (p.663)	
4.	Describe the early stages of development of a (p.661)	animals that reproduce sexually an	d start their life as a zygote.
5.	Name two groups of animals whose members	s show segmentation. (p.662)	
6.	Discuss the process of excretion in animals.		
	ERUCTURES AND FUNCTIONS In the drasterior ends and its dorsal and ventral surfaces b.	awing of a prairie dog shown belov	w, label the animal's anterior and
Wl	hat type of symmetry does this animal have? _		

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SECTION 26-2 REVIEW

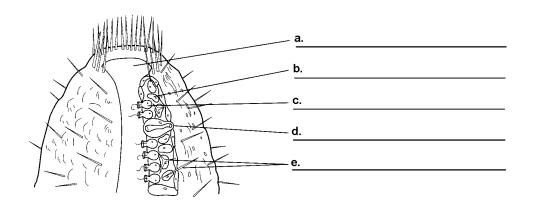
SPONGES

	cyte	
.TIPLE _ 1.	Adult sponges are sessile, which means that they a. have no blastula stage.	
	 attach to a surface and do not move. Choanocytes perform all of the following function 	d. produce both eggs and sperm.
2.		one eneept
2.	 a. drawing water into the interior of the sponge b. engulfing and digesting food that is filtered c. passing nutrients to archaeocytes. d. distributing nutrients throughout the rest of 	re. from the water.
2.	a. drawing water into the interior of the spongb. engulfing and digesting food that is filteredc. passing nutrients to archaeocytes.	from the water. the body.
	 a. drawing water into the interior of the sponge b. engulfing and digesting food that is filtered c. passing nutrients to archaeocytes. d. distributing nutrients throughout the rest of 	the body. a by passes through the sponge. in a structure called a urinary bladder. it empties into the osculum.
	 a. drawing water into the interior of the sponge b. engulfing and digesting food that is filtered c. passing nutrients to archaeocytes. d. distributing nutrients throughout the rest of Sponges eliminate carbon dioxide and ammonia a. allowing them to diffuse into the water that b. convert them into urea and storing the urea c. transporting them to an excretory organ that 	ree. from the water. I the body. I by passes through the sponge. in a structure called a urinary bladder. It empties into the osculum.

STRUCTURES AND FUNCTIONS Identify the structures labeled a - e in the diagram of a sponge shown below.

Use the following terms: spicules, osculum, pore cell, archaeocyte, and choanocyte. (p.665)

4. Why are sponges classified as animals? (p.664)______



1. What type of feeder is the animal called a sponge? (p.665)______

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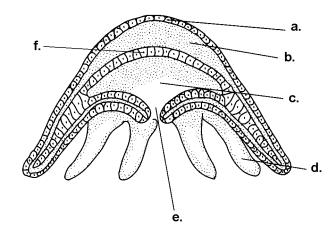
SECTION 26-3 REVIEW

CNIDARIANS

voc	ABUL	AR'	Y REVIEW Define	the	following terms.				
1. (
2. ı	nemato	cyst	t						
3. j									
4. ı	nedusa	ı							
		ascı	ular cavity						
MUL		CH	HOICE Write the c	orr	ect letter in the bla	ank.			
	_ 1.	Th	e structure that coordin	ates	the complex activities	es of a	cnidarian's body is	the	
		a. b.	gastrovascular cavity statocyst.	•		c. d.	nerve net. tentacle.		
	_ 2.	An	n example of a cnidariar	in in	the class Hydrozoa is	a			
		a. b.	coral. sea anemone.				jellyfish. Portuguese man-o	f-war.	
	_ 4.	Co	orals exist in a symbiont	rela	ationship with				
		a.	fungi.	b.	algae.	c.	hydras.	d.	clownfish.
	_ 5.	Co	oral reefs occur in areas	whe	ere there are				
		a. b.	high levels of sedime high levels of sunligh		ergy.		very deep waters. high levels of poll	utants.	
	_ 6.	W	hat is a digestive chamb	er v	vith only one opening	called	1?		
		a.	gastrovascular cavity	b.	blastula	c.	central cavity	d.	stomach
	_ 7.	W	hich of the following is	a cł	naracteristic of cnidar	ians?			
		a.	bilateral symmetry	b.	radial symmetry	c.	cephalization	d.	segmentation

Naı	me Date
SH	ORT ANSWER Answer the questions in the space provided.
1.	How are the tentacles of cnidarians adapted for capturing prey? (p.669)
2.	List the main difference between a hydra and most other cnidarians. (p.673)
2.	
3.	What is the dominant body form in the life cycle of a jellyfish? (p.673)
	What is the dominant body form in the life cycle of a sea anemone? (p.674)
4.	The Green Hydra gets its name from a symbiont that lives within its tissues. What does this symbiont do for the
	hydra that helps keep it alive? (673)
5.	Describe the formation of a coral reef. (p.675)

STRUCTURES AND FUNCTIONS Identify the structures labeled a - f in the diagram of a cnidarian body shown below. Use the following terms: gastrovascular cavity, epidermis, mouth/anus, mesoglea, tentacle, and gastroderm. (p.670)

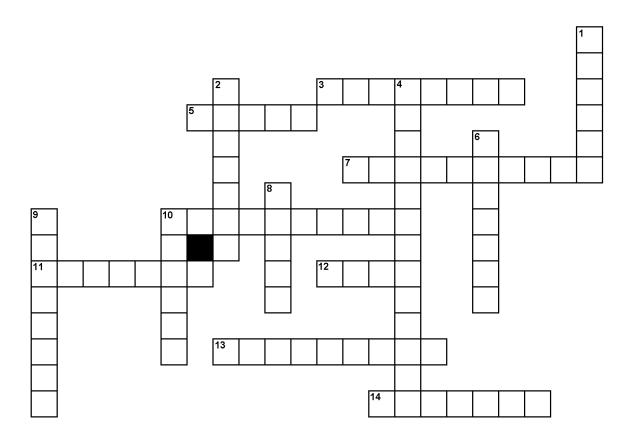


Which body form is represented by this diagram?

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VOCABULARY - CHAPTER 26

The crossword puzzle is a simple way to master some of the more important vocabulary terms in this chapter.



Across

- 3. sponges belong to the phylum called _____
- 5. structure that coordinates the complex activities of a cnidarian's body is the ____ net
- 7. phylum name of the comb jellies
- 10. sticky cell used by a comb jelly for capturing prey
- 11. refers to organisms that have anchored themselves to a substrate and do not move around in their environment
- 12. a _____ jelly is the largest animal to move with cilia
- 13. stinging cell used by cnidarians to capture prey
- 14. opening on the top of a sponge

Down

- 1. swimming form of a jellyfish
- 2. ball of archaeocytes and spicules
- 4. approximately 95% of all animal species are ____; they have no backbone
- 6. soft component of bath sponges; made of protein
- 8. sessile stage of a sea anemone
- jelly-like material forming the middle region of the cnidarians
- 10. ____ cell is a type of cell that draws water into a sponge

The following words in this puzzle are **not** found in this chapter. Use a reference source and look up there meaning. **Ctenophora**, **colloblast**, **comb**, **and collar**.