Chapter 30 Nonvertebrate Chordates, Fishes, and Amphibians

Section 30–1 The Chordates (pages 767–770)

TEKS FOCUS: 7B Phylogeny; 10A Body systems; TEKS SUPPORT: 7A Change in species using anatomical similarities, embryology; 10B Interrelationships of body systems

This section describes the characteristics shared by all chordates. It also tells about the two groups of nonvertebrate chordates.

What Is a Chordate? (page 767)

1. List the four key characteristics of a chordate.

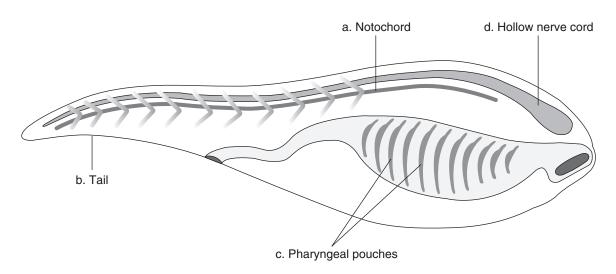
a. ______

c. _____

d. ____

Use the diagram below to match the description of the chordate characteristic with its structure.

Structure



Description

- **2.** Connects nerves to internal organs, muscles, and sense organs
- _____ 3. Long supporting rod located just below the nerve cord
- _____ 4. Paired structures in the throat region
- _____ 5. Contains bone and muscle

Most Chordates Are Vertebrates (page 768)

- **6.** What structure do most vertebrates have?
- 7. What chordate structure becomes the spinal cord in vertebrates? _____

Naı	ne	Class	Date
8.	The backbone is made of indeand protect the spinal cord.	ividual segments called	that enclose
9.		nce that is true about vertebrat	es.
	a. A vertebrate's backbone is	part of an endoskeleton.	
	b. The endoskeleton support	s and protects the animal's boo	ły.
	c. The endoskeleton must be	shed as the animal grows.	
	d. The endoskeleton is made	entirely of nonliving material.	
No	nvertebrate Chordates	(pages 769–770)	
10.	How are tunicates and lancel	ets similar to each other?	
11.	What evidence indicates that vertebrates and nonvertebrate chordates evolved from a common ancestor?		
12.	adults.	cteristic found only in tunicate	larvae and not in tunicate
	a. tunic	c. hollow nerve cord	
13.	b. tail Is the following sentence true	d. notochord e or false? Both larval and adul	t tunicates are filter feeders.
14.	Circle the letter of each characteristic found in lancelets.		
	a. definite head region	c. notochord	
	b. jaws	d. fins	
15.	Is the following sentence true exchange.	e or false? Lancelets use the ph	arynx for feeding and gas
16.	How is blood moved through the body of a lancelet?		
	Dooding Chill Proctice		
	Reading Skill Practice	-1.1	dia . Canalanda
	Venn diagram to compare and	ol to compare and contrast two d contrast the characteristics of ormation about Venn diagrams	tunicates and lancelets.

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