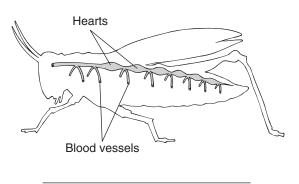
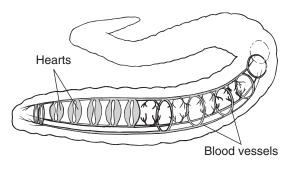
Name	Class	Date
Section 29–2 Fo	orm and Function in Inve	ertebrates (pages 751-758)
TEKS FOCUS: 6E MI	tosis, meiosis, and sexual and asexual repr	roduction; 10A Body systems
	w different invertebrate phyla carry out t	
Introduction (page	751)	
1. What are seven esse	ential tasks all animals perform to sur	rvive?
•	mplicated systems in living animals n	
	stion (pages 751–752) n of food different in simple animals o	_
	TYPES OF DIGESTION	
Туре	Definition	
	Digestion of food inside cells	
Extracellular digestion		
1. Complete the table	about types of digestion.	
•	als digest food in a tube called a(an) _	
Respiration (pages)	752–753)	
-	organs have large surface areas?	
7. Why are respiratory	surfaces kept moist?	
9. What are book lung	s made of?	

Circulation (page 754)

- **10.** How do the smallest and thinnest animals meet the requirement of supplying oxygen and nutrients to cells and removing metabolic wastes?
- 11. Complex animals move fluid through their bodies using one or more
- **12.** Label each of the organisms below according to which has a closed circulatory system and which has an open circulatory system.





13. Closed circulatory systems are characteristic of what kinds of animals? _____

Excretion (pages 754–755)

- 14. What does the excretory system of most animals do? _____
- **15.** How do aquatic invertebrates rid their bodies of ammonia? ______
- **16.** Circle the letter of each way that terrestrial invertebrates eliminate nitrogenous wastes from their bodies.
 - **a.** Ammonia diffuses from body tissues into the surrounding water.
 - **b.** They convert ammonia into urea.
 - ${f c.}$ They convert ammonia into uric acid.
 - **d.** They form a thick paste that leaves the body through the rectum.

- **23.** Circle the letter of each sentence that is true about invertebrate reproduction.
 - **a.** Most invertebrates reproduce sexually in one part of their life cycle.
 - $\boldsymbol{b.}$ As exual reproduction maintains genetic diversity in a population.
 - **c.** Asexual reproduction includes budding and division in two.
 - **d.** Most invertebrates have separate sexes.