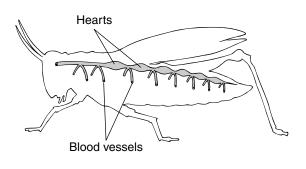
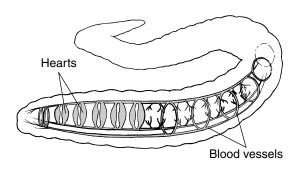
| Name | Class | Date | | |
|---|--|-------------|--|--|
| Invertebrates Key Concept | Prom and Fund Fund Fund Fund Fund Fund Fund Fu | | | |
| 1. What are seven esser | | to survive? | | |
| 2. Why aren't more complicated systems in living animals necessarily better than simpler systems in other living animals? | | | | |
| Feeding and Digestion (pages 751–752) 3. How is the digestion of food different in simple animals compared to that in more complex animals? | | | | |
| 4. Complete the table about types of digestion. TYPES OF DIGESTION | | | | |
| Туре | Definition | | | |
| | Digestion of food inside cells | | | |
| Extracellular digestion | | | | |
| 5. More-complex animals digest food in a tube called a(an) Respiration (pages 752–753) 6. Why do respiratory organs have large surface areas? | | | | |
| 7. Why are respiratory surfaces kept moist? | | | | |
| 8. What are gills? | | | | |
| 9. What are book lungs | 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? _____
- **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.
 - c. They convert ammonia into uric acid.
 - **d.** They form a thick paste that leaves the body through the rectum.

| Name | ne | Class | Date |
|---------------|--|-------------------------|----------------------------------|
| Dage | | | |
| - | sponse (page 756) | | · (1 |
| | What three trends do invertebrat | es snow in the evolut | ion of the nervous system? |
| | a | | |
| | b | | |
| | c | | |
| | Number the following groups of nervous system is. Number the g | | |
| _ | a. Flatworms | | |
| | b. Cnidarians | | |
| | c. Arthropods | | |
| | What is cephalization? | | |
| | • | | |
| 20. Is | Is the following sentence true or | false? The more comp | olex an animal's nervous system, |
| tł | the more developed its sense org | ans are | |
| | | | |
| | vement and Support (p | | |
| 21. W | What are the three main kinds of | skeletal systems amo | ong invertebrates? |
| a. | a | | |
| b | b | | |
| c. | c | | |
| 22. W | What invertebrates have endoske | eletons? | |
| c | | I | |
| | kual and Asexual Reproc | | |
| 23. V | What is the difference between ex | xternal and internal fo | ertilization? |
| | | | |
| | | | |
| | | | |
| 24. C | Circle the letter of each sentence | that is true about inve | ertebrate reproduction. |
| a. | a. Most invertebrates reproduce | sexually in one part of | of their life cycle. |
| _ | | | 4 . |

- **b.** Asexual reproduction maintains genetic diversity in a population.
- **c.** Asexual reproduction includes budding and division in two.
- **d.** Most invertebrates have separate sexes.