Chapter 33 Comparing Chordates   Chapter Vocabulary Review
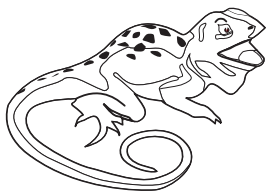
Defining Terms *On the lines provided, define each of the following terms.*

1. notochord _____

_____

2. adaptive radiation _____

_____

3. ectotherm _____

_____

4. endotherm _____

_____

5. alveolus _____

_____

6. single-loop circulatory system _____
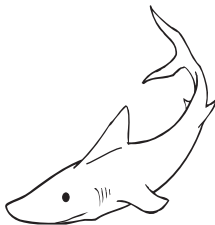
_____

7. double-loop circulatory system _____

_____

Identifying Diagrams *On the line provided, identify each animal as an*
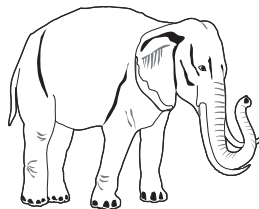ectotherm *or* endotherm.

8. _____   9. _____

10. _____   11. _____

12. _____

Name_____ Class_____ Date _____

Multiple Choice *On the lines provided, write the letter that best completes the sentence or answers the question.*

_____ **13.** Scientists now consider *Pikaia* the first chordate because it

    a. was an ectotherm.   c. had adaptive radiation.

    b. was an endotherm.   d. had a notochord.

_____ **14.** An adaptive radiation often follows

    a. the appearance of new adaptations.   c. phylogenetic relationships.

    b. convergent evolution.   d. diversification.

_____ **15.** On a chilly day, a snake moves from the shade to a sunny rock. This behavior is characteristic of a(an)

    a. ectotherm.   c. chordate.

    b. endotherm.   d. vertebrate.

_____ **16.** Which term describes an animal that pants and sweats to help regulate its internal temperature?

    a. ectotherm   c. chordate

    b. endotherm   d. vertebrate

_____ **17.** Which organisms have relatively high metabolic rates?

    a. all animals   c. all vertebrates

    b. endotherms   d. ectotherms

_____ **18.** Which animals have alveoli?

    a. fish   c. mammals

    b. amphibians   d. all chordates

_____ **19.** The circulatory systems of gilled vertebrates have

    a. a single loop.   c. a single chamber.

    b. a double loop.   d. three chambers.

_____ **20.** The vertebrate brain is

    a. a mass of nerve cells.

    b. complex with distinct regions.

    c. not specialized for complex behavior.

    d. located at the posterior end of the spinal cord.