

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 _____

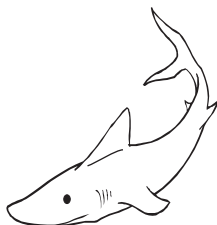
Identifying Diagrams *On the line provided, identify each animal as an ectotherm or endotherm.*



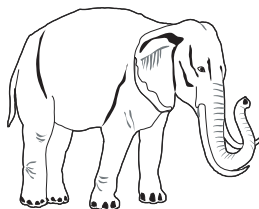
8. _____



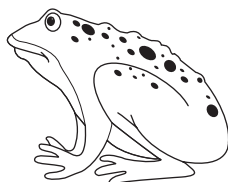
9. _____



10. _____



11. _____



12. _____

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. fertilization. |
| b. the hatching of bird eggs. | d. winter. |
- _____ 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. adaptive radiation. |
| b. endotherm. | d. notochord. |
- _____ 16. Which term describes an animal that pants and sweats to help regulate its internal temperature?
- | | |
|--------------|--------------|
| a. ectotherm | c. notochord |
| b. endotherm | d. tunicate |
- _____ 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 lungs of mammals are filled with tiny gas-exchange structures called
- | | |
|---------------|----------------|
| a. ligaments. | c. ventricles. |
| b. alveoli. | d. tunicates. |
- _____ 20. The circulatory systems of gilled vertebrates have
- | | |
|-------------------|----------------------|
| a. a single loop. | c. a single chamber. |
| b. a double loop. | d. three chambers. |