**Ch. 35: Vertebrates**

1. List the defining characteristics of chordates.
2. Describe the evolutionary relationships of chordates to other taxa.
3. Describe the nonvertebrate chordates and their characteristics.
4. Describe the major groups of fishes.
5. List the evolutionary innovations of fishes.
6. Describe the characteristics and major groups of amphibians.
7. Explain the challenges of moving from an aquatic to a terrestrial environment.
8. Describe the characteristics and major groups of reptiles.
9. Distinguish between synapsids and diapsids.
10. Explain the significance of the evolution of the amniotic egg.
11. Name the key characteristics of birds.
12. Explain why some consider birds to be one type of reptile.
13. Describe the characteristics of mammals.
14. Compare the three groups of living mammals.
15. Describe the characteristics and major groups of primates.
16. List the distinguishing characteristics of hominids.
17. Explain the variations that form the basis for human races and why races do not reflect speciation.

