

Chapter 16 Primate Evolution

Reinforcement and Study Guide

Section 16.1 Primate Adaptation and Evolution

In your textbook, read about the characteristics of a primate.

Complete the chart by checking those structures or functions that are characteristic of primates.

Structure/Function	Primate
1. Round head	
2. Flattened face	
3. Small head	
4. Large relative brain size	
5. Highly developed vision	
6. Poor vision	
7. Binocular vision	
8. Color vision	
9. Color-blind	
10. Vision the dominant sense	
11. Smell the dominant sense	
12. Immobile joints	
13. Flexible shoulder joints	
14. Skeleton adapted for movement among trees	
15. Skeleton adapted for swimming	
16. Hands and feet equipped with claws	
17. Hands and feet equipped with nails	
18. Eyes face to the side	
19. Feet constructed for grasping	
20. Opposable thumbs	

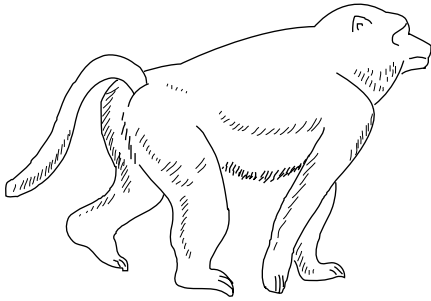
In your textbook, read about primate origins.

For each statement below, write **true** or **false**.

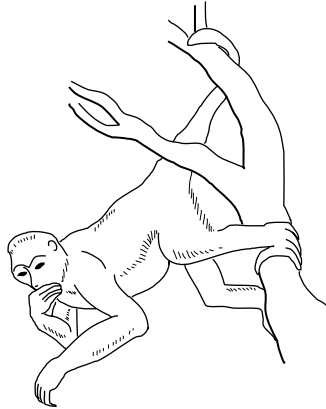
- _____ 21. Scientists believe that primates evolved about 66,000 years ago.
- _____ 22. The earliest primate may have been a prosimianlike animal called *Purgatorius*.
- _____ 23. Anthropoids are a group of small-bodied primates.
- _____ 24. Prosimians include lemurs and tarsiers.
- _____ 25. Prosimians can be found in the tropical forests of South America.

Chapter
16
Primate Evolution, *continued*
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**Section 16.1 Primate Adaptation
and Evolution, *continued***

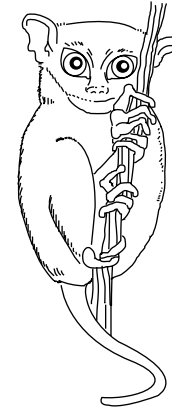
Identify the following pictures. Use these choices: baboon, tarsier, spider monkey. Then on the second line write the group that is represented by the picture. Use these choices: New World monkey, Old World monkey, prosimian.



26. _____



27. _____



28. _____

Answer the following questions.

29. What do similarities among monkeys, apes, and humans indicate about their evolution?

30. According to the fossil record, what were the first modern anthropoids to evolve and about when did they evolve?

31. What is the evolutionary history of primates based on?

32. What may have led to the eventual speciation of baboons and other ground-living monkeys?

33. What does DNA analysis of modern hominoids suggest about their evolutionary history?

