

BIOLOGICAL SCIENCE

After you explore this book, you
should be able to . . .

- Pose an evolutionary hypothesis to explain why vervet monkeys have full color vision. (Unlike humans and some other species of primates, most mammals are red-green color blind.)
- Propose how DNA sequences could be used to determine the relationships among species of these monkeys in East Africa and the one species found on several islands in the West Indies.
- Predict how the structure and function of the gastrointestinal system of these primarily herbivorous monkeys would differ from those of tarsiers, which are carnivorous primates.
- Design a study to investigate the relative importance of running on the ground and climbing trees to the ability of these monkeys to find food and water, and escape from predators.
- Create new questions of your own and suggest methods for finding the answers.

Vervet Monkey,
Chlorocebus pygerythrus

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