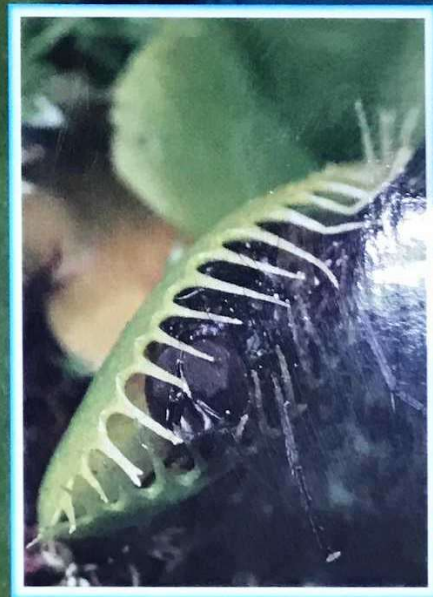


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ECOSYSTEMS AROUND THE WORLD



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MACMILLAN/McGRAW-HILL EDITION

ECOSYSTEMS AROUND THE WORLD

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CONTENTS

UNIT

6

ECOSYSTEMS AROUND THE WORLD


LIFE SCIENCES

CHAPTER 11 • ECOSYSTEMS 481

TOPIC 1: LIVING THINGS AND THEIR ENVIRONMENT 482


DESIGN YOUR OWN EXPERIMENT What Do Living Things
Need to Survive? 483

SKILL BUILDER Separating and Controlling Variables:
Vanishing Bald Eagles 491

 **NATIONAL GEOGRAPHIC WORLD OF SCIENCE**
What's Wrong with This Picture? 494

TOPIC 2: FOOD CHAINS AND FOOD WEBS 496

EXPLORE ACTIVITY Investigate How Populations Interact 497

 **QUICK LAB** Getting Food. 499

SCIENCE MAGAZINE Banking on Seeds 508

TOPIC 3: CYCLES OF LIFE 510

EXPLORE ACTIVITY Investigate What Happens to Water 511

 **QUICK LAB** Soil Sample 515

SCIENCE MAGAZINE The Human Touch. 522

CHAPTER 11 REVIEW/PROBLEMS AND PUZZLES 524

CHAPTER 12 • LIVING THINGS INTERACT 525

TOPIC 4: SURVIVING IN ECOSYSTEMS 526


EXPLORE ACTIVITY Investigate What Controls the Growth
of Populations 527

 **QUICK LAB** Playground Space 529

SCIENCE MAGAZINE Yogurt to the Rescue! 540

TOPIC 5: PLACES TO LIVE AROUND THE WORLD 542


EXPLORE ACTIVITY Investigate Why Soil Is Important 543

 **QUICK LAB** Freshwater Communities 552

SCIENCE MAGAZINE Are Rain Forests Worth Saving? 556

TOPIC 6: HOW ECOSYSTEMS CHANGE 558

EXPLORE ACTIVITY Investigate How Ecosystems Change 559

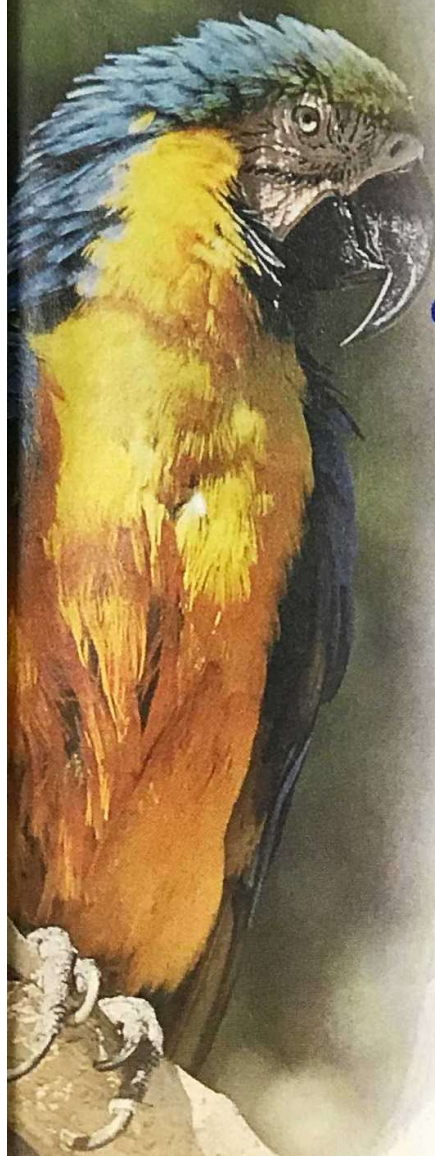
 **QUICK LAB** Predicting Succession 565

SKILL BUILDER Interpreting Data/Inferring: Comparing
Ecosystems in Volcanic Areas 567

SCIENCE MAGAZINE Let It Burn! 572

CHAPTER 12 REVIEW/PROBLEMS AND PUZZLES 573

UNIT 6 REVIEW/PROBLEMS AND PUZZLES 574-576





REFERENCE SECTION

HANDBOOK	R1
MEASUREMENTS	R2-R3
SAFETY	R4-R5
COLLECT DATA	R6-R10
MAKE MEASUREMENTS	R11-R17
MAKE OBSERVATIONS	R18-R20
REPRESENT DATA	R21-R23
USE TECHNOLOGY	R24-R26
GLOSSARY	R27
INDEX	R39

UNIT 6

ECOSYSTEMS AROUND THE WORLD

CHAPTER 11

ECOSYSTEMS

The water around you, the air above you, the rocks and soil under your feet, and all living things around you make up your ecosystem. Living things in an ecosystem depend on each other and on the nonliving things around them. Animals, for example, depend on plants for food and for the oxygen plants make.

Do plants depend on animals? In Chapter 11 you will learn how animals provide materials needed for the plants to grow. How does this plant depend on animals?



In Chapter 11 you will have many opportunities to read diagrams for information.



Topic LIFE SCIENCE 1

WHY IT MATTERS

Both living and nonliving things in an area interact with each other.

SCIENCE WORDS

ecosystem all the living and nonliving things in an area interacting with each other

ecology the study of how living things and their environment interact

abiotic factor a nonliving part of an ecosystem

biotic factor a living part of an ecosystem

population all the organisms of one species that live in an area at the same time

community all the populations living in an area

habitat the area in which an organism lives

niche the role an organism has in its ecosystem

Living Things and Their Environment

What do you need in order to survive? Your answers could include food, water, the right temperature, and a place to live.

What kinds of things do the animals and plants shown here need to survive? Where do you think they get these things?

EXPLORE

HYPOTHESIZE How do living things interact with each other and their environment?

What do living things need in order to survive? Write a hypothesis in your *Science Journal*. How would you design a special environment to test your ideas?

