



Section 3 ■ Matter and Energy

Schedule

Block Schedule: 1.5 sessions (■ denotes activities recommended for block schedule.)

Single Periods: 3 sessions

Objectives

- 7. **Explain** the difference between a food chain and a food web.
- 8. **Describe** how energy flows through an ecosystem.
- 9. **Examine** how materials such as water, carbon, and nitrogen are used repeatedly.

National Standards

UCP2, A1, B3, C4, G1

Motivate

- Section Focus Transparency 3, **TCR** (Transparency Master and Study Guide, p. 46, **CRB**)

Teach

- _____ Visual Learning, p. 229, **TWE**
- _____ Activity, pp. 229, 230, 231, **TWE**
- _____ Problem-Solving Activity, p. 230
- _____ Lab Demonstration, p. 230, **TWE**
- _____ Chemistry Integration, p. 231
- _____ MiniLAB: Modeling the Water Cycle, p. 232 (MiniLAB Worksheet, p. 4, **CRB**)
- _____ Activity: Identifying a Limiting Factor, pp. 234–235 (Activity Worksheet, pp. 7–8, **CRB**)
- _____ Science and Language Arts, pp. 236–237
- _____ Content Outline for Teaching, Section 3 (Note-taking Worksheet, pp. 33–35, **CRB**)
- Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 47–48, **CRB**)
- _____ Home and Community Involvement, p. 40, **CRB**
- _____ Spanish Resources, Section 3, **CRB**

Assess

- Section Assessment, p. 233
- _____ Skill Builder Activities, p. 233
- _____ Performance Assessment in the Science Classroom, pp. 95, 127, 143, 145, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, pp. 21, 22, **CRB**
- _____ Spanish Directed Reading for Content Mastery, pp. 25, 26, **CRB**
- Reinforcement, p. 29, **CRB**

Enrich/Apply

- _____ Enrichment, p. 32, **CRB**
- _____ Life Science Critical Thinking/Problem-Solving, pp. 5, 21, **TCR**
- _____ Cultural Diversity, p. 13, **TCR**

Chapter Assessment

- Chapter Study Guide, pp. 238–239
- Chapter Review, pp. 37–38, **CRB**
- Chapter Assessment, pp. 240–241
- Chapter Test, pp. 39–42, **CRB**
- Assessment Transparency, **TCR**, (Transparency Master and Study Guide, p. 49, **CRB**)
- _____ Standardized Test Practice by The Princeton Review, pp. 35–38, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 8
- _____ Guided Reading Audio Program (English & Spanish), Ch. 8
- _____ MindJogger Videoquiz, Ch. 8
- _____ ExamView Pro Test Bank Software, Ch. 8
- _____ Science Web site: science.glencoe.com