

CHAPTER
17

**Lesson
Plans**

Section 3 ■ Climatic Changes



Schedule

Block Schedule: 2 sessions (■ denotes activities recommended for block schedule.)
Single Periods: 4 sessions

Objectives

- 5. **Explain** what causes seasons.
- 6. **Describe** how El Niño affects climate.
- 7. **Explore** possible causes of climatic change.



QCC Standards

1, 2, 3.4, 4, 5, 5.1, 5.2, 9, 10, 13, 18, 19, 19.1, 20, 20.3, 20.5

Motivate

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

Teach

- _____ MiniLAB: Modeling El Niño, p. 501 (MiniLAB Worksheet, p. 4, **CRB**)
- _____ Visual Learning, pp. 502, 503, 510, **TWE**
- _____ Activity, p. 502, **TWE**
- _____ Discussion, pp. 504, 507, 509, 515, **TWE**
- _____ Health Integration, p. 505
- Activity: The Greenhouse Effect, p. 511 (Activity Worksheet, pp. 5–6, **CRB**)
- Activity: Microclimates, pp. 512–513 (Activity Worksheet, pp. 7–8, **CRB**)
- _____ Science and History, pp. 514–515
- _____ Content Outline for Teaching, Section 3 (Note-taking Worksheet, pp. 33–35, **CRB**)
- _____ Science Inquiry Lab, pp. 29, 39, **TCR**
- _____ Laboratory Activity 2, pp. 13–16, **CRB**
- _____ Spanish Resources, Section 3, **CRB**

Assess

- Section Assessment, p. 510
- _____ Skill Builder Activities, p. 510
- _____ Performance Assessment in the Science Classroom, pp. 89, 93, 99, 135, 143, **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**
- _____ Reading and Writing Skill Activities, p. 19, **TCR**

Enrich/Apply

- _____ Enrichment, p. 32, **CRB**
- _____ Earth Science Critical Thinking/Problem-Solving, pp. 13, 14, **TCR**

Chapter Assessment

- Chapter Study Guide, pp. 516–517
- Chapter Review, pp. 37–38, **CRB**
- Chapter Assessment, pp. 518–519
- 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. 77–80, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 17
- _____ Guided Reading Audio Program (English & Spanish), Ch. 17
- _____ MindJogger Videoquiz, Ch. 17
- _____ ExamView Pro Test Bank Software, Ch. 17
- _____ Interactive CD-ROM, Quiz, Ch. 17
- _____ Science Web site: science.glencoe.com

TWE = Teacher Wraparound Edition,
CRB = Chapter Resources Booklet, TCR = Teacher Classroom Resources