

CHAPTER
16

Lesson
Plans

Section 1 ■ Weathering and Soil Formation

Schedule

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

Single Periods: 3 sessions

Objectives

1. **Identify** processes that break rock apart.
2. **Describe** processes that chemically change rock.
3. **Explain** how soil evolves.

National Standards

UCP3, A1, B1, D1, F2

Motivate

_____ Explore Activity, p. 465

_____ Before You Read, p. 465 (Foldables, p. 17, **CRB**)

■_____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

Teach

_____ Content Background, pp. 464E–464F, **TWE**

_____ Activity, p. 467, **TWE**

_____ Discussion, p. 468, **TWE**

_____ Visual Learning, pp. 468, 470, **TWE**

_____ MiniLAB: Rock Dissolving Acids, p. 469 (MiniLAB Worksheet, p. 3, **CRB**)

_____ MiniLAB: Analyzing Soils, p. 470 (MiniLAB Worksheet, p. 4, **CRB**)

_____ Quick Demo, p. 471, **TWE**

■_____ Activity: Classifying Soils, p. 472 (Activity Worksheet, pp. 5–6, **CRB**)

_____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 31–32, **CRB**)

_____ Science Inquiry Lab, p. 35, **TCR**

■_____ Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 45–46, **CRB**)

_____ Laboratory Activity 1, pp. 9–12, **CRB**

_____ Spanish Resources, Section 1, **CRB**

Assess

■_____ Section Assessment, p. 471

_____ Skill Builder Activities, p. 471

_____ Performance Assessment in the Science Classroom, pp. 44, 89, 127, 161, **TCR**

Reteach/Reinforce

■_____ Directed Reading for Content Mastery, pp. 19, 20, **CRB**

_____ Spanish Directed Reading for Content Mastery, pp. 23, 24, **CRB**

■_____ Reinforcement, p. 27, **CRB**

Enrich/Apply

_____ Enrichment, p. 29, **CRB**

_____ Earth Science Critical Thinking/Problem-Solving, p. 6, **TCR**

_____ Cultural Diversity, p. 33, **TCR**

Multimedia Options

_____ Vocabulary Puzzlemaker Software, Ch. 16

_____ Guided Reading Audio Program (English & Spanish), Ch. 16

_____ Using the Internet in the Science Classroom, **TCR**

_____ Science Web site: science.glencoe.com