

CHAPTER
20

**Lesson
Plans**

Section 1 ■ Chemical Formulas and Equations

Schedule

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

Single Periods: 3 sessions

Objectives

1. **Determine** whether or not a chemical reaction is occurring.
2. **Determine** how to read and understand a balanced chemical equation.
3. **Examine** some reactions that release energy and others that absorb energy.

National Standards

UCP3, A1, B1, B3

Motivate

- _____ Explore Activity, p. 597
- _____ Before You Read, p. 597 (Foldables, p. 17, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

Teach

- _____ Content Background, pp. 596E–596F, **TWE**
- _____ Visual Learning, pp. 599, 602, 606, **TWE**
- _____ Activity, pp. 599, 603, **TWE**
- _____ MiniLAB: Observing a Chemical Change p. 600 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Life Science Integration, p. 601
- _____ Science Online, p. 603
- _____ Math Skills Activity, p. 604
- _____ Discussion, pp. 605, 606, **TWE**
- _____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 31–32, **CRB**)
- _____ Science Inquiry Lab, pp. 1, 5, 7, 15, **TCR**
- _____ Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 45–46, **CRB**)
- _____ Laboratory Activity 1, pp. 9–12, **CRB**
- _____ Home and Community Involvement, p. 44, **TCR**
- _____ Spanish Resources, Section 1, **CRB**

Assess

- _____ Section Assessment, p. 607
- _____ Skill Builder Activities, p. 607
- _____ Performance Assessment in the Science Classroom, pp. 89, 119, 159, **TCR**

Reteach/Reinforce

- _____ Directed Reading for Content Mastery, pp. 18, 19, **CRB**
- _____ Spanish Directed Reading for Content Mastery, pp. 22, 23, **CRB**
- _____ Reinforcement, p. 27, **CRB**
- _____ Mathematics Skill Activities, p. 9, **TCR**

Enrich/Apply

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

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 20
- _____ Guided Reading Audio Program (English & Spanish), Ch. 20
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com