

CHAPTER 4

Lesson Plans

Section 1 ■ Chemistry of Life

Schedule

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

Single Periods: 3 sessions

Objectives

1. **List** the differences among atoms, elements, molecules, and compounds.
2. **Explain** the relationship between chemistry and life science.
3. **Discuss** how organic compounds are different from inorganic compounds.

National Standards

UCP2, A1, B1, C1

Motivate

- _____ Explore Activity, p. 97
- _____ Before You Read, p. 97 (Foldables, p. 15, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

Teach

- _____ Content Background, pp. 96E–96F, **TWE**
- _____ Activity, pp. 99, 102, **TWE**
- _____ Inclusion Strategies, pp. 99, 100, 101, **TWE**
- _____ Discussion, p. 100, **TWE**
- _____ Quick Demo, pp. 100, 101, 104, **TWE**
- _____ Visual Learning, p. 101, **TWE**
- _____ Science Online, p. 102
- _____ MiniLAB: Determining How Enzymes Work, p. 103 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Math Skills Activity, p. 104
- _____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 31–33, **CRB**)
- _____ Science Inquiry Lab, pp. 43, 47, **TCR**
- _____ Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 45–46, **CRB**)
- _____ Spanish Resources, Section 1, **CRB**

Assess

- _____ Section Assessment, p. 105
- _____ Skill Builder Activities, p. 105
- _____ Performance Assessment in the Science Classroom, pp. 89, 95, 157, **TCR**

Reteach/Reinforce

- _____ Directed Reading for Content Mastery, pp. 17, 18, **CRB**
- _____ Spanish Directed Reading for Content Mastery, pp. 21, 22, **CRB**
- _____ Reinforcement, p. 25, **CRB**
- _____ Mathematics Skill Activities, p. 5, **TCR**

Enrich/Apply

- _____ Enrichment, p. 28, **CRB**
- _____ Cultural Diversity, p. 65, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 4
- _____ Guided Reading Audio Program (English & Spanish), Ch. 4
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com