

CHAPTER
10

Lesson
Plans

Section 1 ■ Temperature and Thermal Energy



Schedule

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

Single Periods: 3 sessions

Objectives

1. **Explain** how temperature is related to kinetic energy.
2. **Describe** three scales used for measuring temperature.
3. **Define** thermal energy.

QCC Standards

1, 3.2, 3.3, 8.1, 14.1, 14.2

Motivate

- _____ Explore Activity, p. 285
- _____ Before You Read, p. 285 (Foldables, p. 17, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 44, **CRB**)

Teach

- _____ Content Background, pp. 284E–284F, **TWE**
- _____ Visual Learning, p. 287, **TWE**
- _____ Curriculum Connection, p. 287, **TWE**
- _____ Use an Analogy, p. 287, **TWE**
- _____ Extension, pp. 287, 288, **TWE**
- _____ Math Skills Activity, p. 288
- _____ Use Science Words, p. 288, **TWE**
- _____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 33–35, **CRB**)
- _____ Laboratory Activity 1, pp. 9–12, **CRB**
- _____ Spanish Resources, Section 1, **CRB**

Assess

- _____ Section Assessment, p. 289
- _____ Skill Builder Activities, p. 289
- _____ Performance Assessment in the Science Classroom, pp. 97, 101, **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**
- _____ Mathematics Skill Activities, p. 11, **TCR**

Enrich/Apply

- _____ Enrichment, p. 30, **CRB**
- _____ Earth Science Critical Thinking/Problem-Solving, p. 10, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 10
- _____ Guided Reading Audio Program (English & Spanish), Ch. 10
- _____ Interactive CD-ROM, Presentation Builder, Ch. 10
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com