

CHAPTER
4

Lesson
Plans

Section 2 ■ Changes of State



Schedule

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

Single Periods: 3 sessions

Objectives

3. Define and compare thermal energy and temperature.
4. Relate changes in thermal energy to changes of state.
5. Explore energy and temperature changes on a graph.

QCC Standards

1, 2, 3.4, 4, 5, 6.1, 6.2, 8.2, 14.1

Motivate

- Section Focus Transparency 2, **TCR** (Transparency Master and Study Guide, p. 43, **CRB**)

Teach

- _____ Physics Integration, p. 110
- _____ Science Journal, p. 110, **TWE**
- _____ Identifying Misconceptions, pp. 110, 111, **TWE**
- _____ Visual Learning, pp. 112, 114, 115, **TWE**
- _____ Activity, p. 112, **TWE**
- _____ Science Online, pp. 113, 115
- _____ Problem-Solving Activity, p. 113
- _____ Discussion, p. 113, **TWE**
- _____ Inclusion Strategies, p. 113, **TWE**
- _____ MiniLAB: Exploring What You Feel, p. 114 (MiniLAB Worksheet, p. 3, **CRB**)
- Activity: A Spin Around the Water Cycle, p. 117 (Activity Worksheet, pp. 5–6, **CRB**)
- _____ Content Outline for Teaching, Section 2 (Note-taking Worksheet, pp. 31–33, **CRB**)
- _____ Laboratory Activity 2, pp. 11–13, **CRB**
- _____ Spanish Resources, Section 2, **CRB**

Assess

- Section Assessment, p. 116
- _____ Skill Builder Activities, p. 116
- _____ Performance Assessment in the Science Classroom, pp. 89, 93, 101, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, p. 19, **CRB**
- _____ Spanish Directed Reading for Content Mastery, p. 23, **CRB**
- Reinforcement, p. 26, **CRB**
- _____ Reading and Writing Skill Activities, p. 17, **TCR**

Enrich/Apply

- _____ Enrichment, p. 29, **CRB**
- _____ Earth Science Critical Thinking/Problem-Solving, p. 10, **TCR**
- _____ Physical Science Critical Thinking/Problem-Solving, p. 10, **TCR**

Multimedia Options

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