

Section 2 ■ Heat



Schedule

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

Single Periods: 3 sessions

Objectives

4. Explain the difference between thermal energy and heat.
5. Describe three ways heat is transferred.
6. Identify materials that are insulators or conductors.

 QCC Standards

1, 2, 3.4, 4, 8.2, 14, 14.1, 14.3, 14.4, 14.5

Motivate

- Section Focus Transparency 2, **TCR** (Transparency Master and Study Guide, p. 45, **CRB**)

Teach

- _____ Activity, pp. 291, 294, **TWE**
- _____ Identifying Misconceptions, p. 291, **TWE**
- _____ Discussion, p. 292, **TWE**
- _____ Extension, p. 292, **TWE**
- _____ MiniLAB: Comparing Rates of Melting, p. 292 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Visual Learning, p. 293, **TWE**
- _____ MiniLAB: Observing Convection, p. 293 (MiniLAB Worksheet, p. 4, **CRB**)
- _____ Life Science Integration, p. 294
- _____ Lab Demonstration, p. 294, **TWE**
- _____ Make a Model, p. 294, **TWE**
- Activity: Heating Up and Cooling Down, p. 296 (Activity Worksheet, pp. 5–6, **CRB**)
- _____ Content Outline for Teaching, Section 2 (Note-taking Worksheet, pp. 33–35, **CRB**)
- _____ Laboratory Activity 2, pp. 13–16, **CRB**
- _____ Spanish Resources, Section 2, **CRB**

Assess

- Section Assessment, p. 295
- _____ Skill Builder Activities, p. 295
- _____ Performance Assessment in the Science Classroom, pp. 89, 93, 119, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, p. 20, **CRB**
- _____ Spanish Directed Reading for Content Mastery, p. 24, **CRB**
- Reinforcement, p. 28, **CRB**
- _____ Reading and Writing Skill Activities, p. 13, 33, **TCR**

Enrich/Apply

- _____ Enrichment, p. 31, **CRB**
- _____ Physical Science Critical Thinking/Problem-Solving, p. 5, **TCR**
- _____ Cultural Diversity, p. 41, **TCR**

Multimedia Options

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