

CHAPTER
8

Lesson
Plans

Section 2 ■ Energy Transformations



Schedule

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

Single Periods: 3 sessions

Objectives

4. Apply the law of conservation of energy to energy transformations.
5. Identify how energy changes form.
6. Describe how electric power plants produce energy.

QCC Standards

1, 2, 3.4, 4, 8.1, 8.2, 20.3, 21.5, 26, 26.1

Motivate

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

Teach

- _____ Lab Demonstration, p. 234, **TWE**
- _____ Identifying Misconceptions, pp. 234, 237, **TWE**
- _____ Science Online, p. 235
- _____ MiniLAB: Analyzing Energy Transformations, p. 235 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Visual Learning, p. 236, **TWE**
- _____ Activity, pp. 236, 237, 238, **TWE**
- _____ Extension, p. 236, **TWE**
- _____ Life Science Integration, p. 237
- _____ Discussion, pp. 237, 238, **TWE**
- _____ Teacher FYI, p. 237, **TWE**
- _____ Curriculum Connection, p. 238, **TWE**
- Activity: Hearing With Your Jaw, p. 240 (Activity Worksheet, pp. 5–6, **CRB**)
- _____ Content Outline for Teaching, Section 2 (Note-taking Worksheet, pp. 31–32, **CRB**)
- _____ Science Inquiry Lab, p. 9, **TCR**
- _____ Laboratory Activity 1, pp. 9–10, **CRB**
- _____ Spanish Resources, Section 2, **CRB**

Assess

- Section Assessment, p. 239
- _____ Skill Builder Activities, p. 239
- _____ Performance Assessment in the Science Classroom, pp. 89, 145, 151, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, p. 19, **CRB**
- _____ Spanish Directed Reading for Content Mastery, p. 23, **CRB**
- Reinforcement, p. 26, **CRB**

Enrich/Apply

- _____ Enrichment, p. 29, **CRB**
- _____ Physical Science Critical Thinking/Problem-Solving, p. 17, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 8
- _____ Guided Reading Audio Program (English & Spanish), Ch. 8
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com