

## Section 1 ■ What are waves?

**Schedule**

Block Schedule: 2 sessions (■ denotes activities recommended for block schedule.)

Single Periods: 4 sessions

**Objectives**

1. **Explain** the relationship among waves, energy, and matter.
2. **Describe** the difference between transverse waves and compressional waves.

 **QCC Standards**

1, 2, 13.1, 15, 15.1, 15.3, 16, 16.1, 16.2, 22, 22.3, 23

**Motivate**

- \_\_\_\_\_ Explore Activity, p. 315
- \_\_\_\_\_ Before You Read, p. 315 (Foldables, p. 15, **CRB**)
- \_\_\_\_\_ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

**Teach**

- \_\_\_\_\_ Content Background, pp. 314E–314F, **TWE**
- \_\_\_\_\_ Discussion, p. 317, **TWE**
- \_\_\_\_\_ Visual Learning, p. 317, **TWE**
- \_\_\_\_\_ Identifying Misconceptions, p. 317, **TWE**
- \_\_\_\_\_ Make a Model, p. 317, **TWE**
- \_\_\_\_\_ Activity, p. 318, **TWE**
- \_\_\_\_\_ Quick Demo, p. 318, **TWE**
- \_\_\_\_\_ Use an Analogy, p. 318, **TWE**
- \_\_\_\_\_ Inclusion Strategies, p. 319, **TWE**
- \_\_\_\_\_ Physics Integration, p. 320
- \_\_\_\_\_ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 31–32, **CRB**)
- \_\_\_\_\_ Science Inquiry Lab, p. 31, **TCR**
- \_\_\_\_\_ Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 45–46, **CRB**)
- \_\_\_\_\_ Spanish Resources, Section 1, **CRB**

**Assess**

- \_\_\_\_\_ Section Assessment, p. 320
- \_\_\_\_\_ Skill Builder Activities, p. 320
- \_\_\_\_\_ Performance Assessment in the Science Classroom, pp. 89, 127, 197, **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**

**Enrich/Apply**

- \_\_\_\_\_ Enrichment, p. 28, **CRB**

**Multimedia Options**

- \_\_\_\_\_ Vocabulary Puzzlemaker Software, Ch. 11
- \_\_\_\_\_ Guided Reading Audio Program (English & Spanish), Ch. 11
- \_\_\_\_\_ Interactive CD-ROM, Presentation Builder and Exploration, Ch. 11
- \_\_\_\_\_ Using the Internet in the Science Classroom, **TCR**
- \_\_\_\_\_ Science Web site: [science.glencoe.com](http://science.glencoe.com)