

Section 1 ■ What are waves?

Schedule

Block Schedule: 0.5 session (■ denotes activities recommended for block schedule.)

Single Periods: 1 session

Objectives

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

National Standards

UCP5, A1, B1, B3

Motivate

- _____ Explore Activity, p. 575
- _____ Before You Read, p. 575 (Foldables, p. 15, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

Teach

- _____ Content Background, pp. 574E–574F, **TWE**
- _____ Discussion, p. 577, **TWE**
- _____ Visual Learning, p. 577, **TWE**
- _____ Identifying Misconceptions, p. 577, **TWE**
- _____ Make a Model, p. 577, **TWE**
- _____ Activity, p. 578, **TWE**
- _____ Quick Demo, p. 578, **TWE**
- _____ Use an Analogy, p. 578, **TWE**
- _____ Inclusion Strategies, p. 579, **TWE**
- _____ Physics Integration, p. 580
- _____ 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. 580
- _____ Skill Builder Activities, p. 580
- _____ 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. 20
- _____ Guided Reading Audio Program (English & Spanish), Ch. 20
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com