

CHAPTER
12

Lesson
Plans

Section 1 ■ What is sound?



Schedule

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

Single Periods: 3 sessions

Objectives

1. **Identify** the characteristics of sound waves.
2. **Explain** how sound travels.
3. **Describe** the Doppler effect.

QCC Standards

1, 2, 4, 15, 15.1, 15.4, 22, 22.1, 22.2, 23, 23.1, 23.2, 25, 25.1

Motivate

- _____ Explore Activity, p. 343
- _____ Before You Read, p. 343 (Foldables, p. 15, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 40, **CRB**)

Teach

- _____ Content Background, pp. 342E–342F, **TWE**
- _____ Discussion, pp. 345, 348, 349, 352, **TWE**
- _____ MiniLAB: Comparing and Contrasting Sounds, p. 346 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Visual Learning, pp. 347, 348, 351, **TWE**
- _____ Science Online, p. 359
- _____ Astronomy Integration, p. 360
- _____ Problem-Solving Activity, p. 360
- _____ Activity: Observe and Measure Reflection of Sound, p. 364 (Activity Worksheet, pp. 5–6, **CRB**)
- _____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 29–30, **CRB**)
- _____ Science Inquiry Lab, p. 27, **TCR**
- _____ Laboratory Activity 1, pp. 9–10, **CRB**
- _____ Home and Community Involvement, p. 27, **TCR**
- _____ Spanish Resources, Section 1, **CRB**

Assess

- _____ Section Assessment, p. 363
- _____ Skill Builder Activities, p. 363
- _____ Performance Assessment in the Science Classroom, pp. 111, 127, 143, **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**
- _____ Mathematics Skill Activities, p. 9, **TCR**
- _____ Reading and Writing Skill Activities, p. 7, **TCR**

Enrich/Apply

- _____ Enrichment, p. 27, **CRB**
- _____ Physical Science Critical Thinking/Problem-Solving, p. 21, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 12
- _____ Guided Reading Audio Program (English & Spanish), Ch. 12
- _____ Interactive CD-ROM, Presentation Builder, Ch. 12
- _____ Science Web site: science.glencoe.com

TWE = Teacher Wraparound Edition,
CRB = Chapter Resources Booklet, **TCR** = Teacher Classroom Resources