

CHAPTER
12

Lesson
Plans

Section 2 ■ Ocean Currents and Climate

Schedule

Block Schedule: 1 session (■ denotes activities recommended for block schedule.)

Single Periods: 2 sessions

Objectives

5. **State** how wind and the rotation of Earth influence surface currents.
6. **Discuss** how ocean currents affect weather and climate.
7. **Describe** the causes and effects of density currents.
8. **Explain** how upwelling occurs.

National Standards

UCP1, A1, B1, D1

Motivate

- Section Focus Transparency 2, **TCR** (Transparency Master and Study Guide, p. 47, **CRB**)

Teach

- _____ Science Online, p. 347
- _____ Discussion, p. 347, **TWE**
- _____ Visual Learning, p. 347, **TWE**
- _____ Teacher FYI, pp. 347, 348, **TWE**
- _____ Fun Fact, p. 347, **TWE**
- _____ Chemistry Integration, p. 348
- _____ Lab Demonstration, p. 348, **TWE**
- _____ Identifying Misconceptions, p. 348, **TWE**
- _____ Cultural Diversity, p. 349, **TWE**
- _____ MiniLAB: Modeling a Density Current, p. 349 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Quick Demo, p. 350, **TWE**
- _____ Content Outline for Teaching, Section 2 (Note-taking Worksheet, pp. 35–37, **CRB**)
- _____ Science Inquiry Lab, p. 31, **TCR**
- _____ Spanish Resources, Section 2, **CRB**

Assess

- Section Assessment, p. 350
- _____ Skill Builder Activities, p. 350
- _____ Performance Assessment in the Science Classroom, pp. 89, 91, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, p. 20, **CRB**
- _____ Spanish Directed Reading for Content Mastery, p. 24, **CRB**
- Reinforcement, p. 28, **CRB**

Enrich/Apply

- _____ Enrichment, p. 32, **CRB**
- _____ Earth Science Critical Thinking/Problem-Solving, p. 16, **TCR**
- _____ Cultural Diversity, p. 16, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 12
- _____ Guided Reading Audio Program (English & Spanish), Ch. 12
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com