

# Section 1 ■ What is weather?

## Schedule

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

Single Periods: 2 sessions

## Objectives

1. **Explain** how solar heating and water vapor in the atmosphere affect weather.
2. **Discuss** how clouds form and how they are classified.
3. **Describe** how rain, hail, sleet, and snow develop.

### National Standards

UCP1, A1, D1, E2, F3

## Motivate

\_\_\_\_\_ Explore Activity, p. 309

\_\_\_\_\_ Before You Read, p. 309 (Foldables, p. 17, **CRB**)

■\_\_\_\_\_ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 44, **CRB**)

## Teach

\_\_\_\_\_ Content Background, pp. 308E–308F, **TWE**

\_\_\_\_\_ Life Science Integration, p. 311

\_\_\_\_\_ Quick Demo, p. 311, **TWE**

\_\_\_\_\_ Lab Demonstration, p. 312, **TWE**

\_\_\_\_\_ MiniLAB: Determining Dew Point, p. 312 (MiniLAB Worksheet, p. 3, **CRB**)

\_\_\_\_\_ Math Skills Activity, p. 313

\_\_\_\_\_ Discussion, pp. 313, 315, 316, **TWE**

\_\_\_\_\_ Visual Learning, p. 314, **TWE**

\_\_\_\_\_ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 33–35, **CRB**)

\_\_\_\_\_ Laboratory Activity 1, pp. 9–12, **CRB**

\_\_\_\_\_ Laboratory Activity 2, pp. 13–15, **CRB**

\_\_\_\_\_ Spanish Resources, Section 1, **CRB**

## Assess

■\_\_\_\_\_ Section Assessment, p. 317

\_\_\_\_\_ Skill Builder Activities, p. 317

\_\_\_\_\_ Performance Assessment in the Science Classroom, pp. 89, 99, 151, **TCR**

## Reteach/Reinforce

■\_\_\_\_\_ Directed Reading for Content Mastery, pp. 19, 20, **CRB**

\_\_\_\_\_ Spanish Directed Reading for Content Mastery, pp. 23, 24, **CRB**

■\_\_\_\_\_ Reinforcement, p. 27, **CRB**

\_\_\_\_\_ Mathematics Skill Activities, p. 7, **TCR**

## Enrich/Apply

\_\_\_\_\_ Enrichment, p. 30, **CRB**

\_\_\_\_\_ Physical Science Critical Thinking/Problem-Solving, p. 16, **TCR**

## Multimedia Options

\_\_\_\_\_ Vocabulary Puzzlemaker Software, Ch. 11

\_\_\_\_\_ Guided Reading Audio Program (English & Spanish), Ch. 11

\_\_\_\_\_ Using the Internet in the Science Classroom, **TCR**

\_\_\_\_\_ Science Web site: [science.glencoe.com](http://science.glencoe.com)