

Section 1 ■ Photosynthesis and
Respiration

Schedule

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

Single Periods: 2 sessions

Objectives

1. **Explain** how plants take in and give off gases.
2. **Compare and contrast** relationships between photosynthesis and respiration.
3. **Discuss** why photosynthesis and respiration are important.

 QCC Standards

1, 2, 4, 5, 6.1, 6.2, 6.4, 16.1, 17, 19

Motivate

- _____ Explore Activity, p. 303
- _____ Before You Read, p. 303 (Foldables, p. 15, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 40, **CRB**)

Teach

- _____ Content Background, pp. 302E–302F, **TWE**
- _____ Health Integration, p. 305
- _____ Visual Learning, pp. 305, 310, **TWE**
- _____ MiniLAB: Inferring What Plants Need to Produce Chlorophyll, p. 307 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Science Online, p. 308
- _____ Discussion, p. 309, **TWE**
- _____ Activity, p. 311, **TWE**
- _____ Activity: Stomata in Leaves, p. 312 (Activity Worksheet, pp. 5–6, **CRB**)
- _____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 29–31, **CRB**)
- _____ Science Inquiry Lab, p. 35, **TCR**
- _____ Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 43–44, **CRB**)
- _____ Laboratory Activity 1, pp. 9–10, **CRB**
- _____ Spanish Resources, Section 1, **CRB**

Assess

- _____ Section Assessment, p. 311
- _____ Skill Builder Activities, p. 311
- _____ Performance Assessment in the Science Classroom, pp. 99, 123, 127, **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. 27, **CRB**
- _____ Life Science Critical Thinking/Problem-Solving, p. 8, **TCR**

Multimedia Options

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