

**CHAPTER**  
**19**

**Lesson  
Plans**

**Section 1 ■ Why do atoms  
combine?**

**Schedule**

Block Schedule: 1 session (■ denotes activities recommended for block schedule.)  
Single Periods: 2 sessions

**Objectives**

1. **Identify** how electrons are arranged in an atom.
2. **Determine** the energy of electrons in atoms.
3. **Compare** how the arrangement of electrons in an atom is related to its place in the periodic table.

**National Standards**

UCP2, A1, B1

**Motivate**

- \_\_\_\_\_ Explore Activity, p. 569
- \_\_\_\_\_ Before You Read, p. 569 (Foldables, p. 17, **CRB**)
- \_\_\_\_\_ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

**Teach**

- \_\_\_\_\_ Content Background, pp. 568E–568F, **TWE**
- \_\_\_\_\_ Discussion, p. 571, **TWE**
- \_\_\_\_\_ Science Online, p. 572
- \_\_\_\_\_ Visual Learning, pp. 572, 574, **TWE**
- \_\_\_\_\_ Activity, p. 574, **TWE**
- \_\_\_\_\_ Problem-Solving Activity, p. 575
- \_\_\_\_\_ MiniLAB: Drawing Electron Dot Diagrams, p. 576 (MiniLAB Worksheet, p. 3, **CRB**)
- \_\_\_\_\_ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 31–32, **CRB**)
- \_\_\_\_\_ Science Inquiry Lab, p. 47, **TCR**
- \_\_\_\_\_ Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 45–46, **CRB**)
- \_\_\_\_\_ Laboratory Activity 1, pp. 9–12, **CRB**
- \_\_\_\_\_ Spanish Resources, Section 1, **CRB**

**Assess**

- \_\_\_\_\_ Section Assessment, p. 577
- \_\_\_\_\_ Skill Builder Activities, p. 577
- \_\_\_\_\_ Performance Assessment in the Science Classroom, pp. 123, 127, 159, **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**

**Enrich/Apply**

- \_\_\_\_\_ Enrichment, p. 29, **CRB**
- \_\_\_\_\_ Physical Science Critical Thinking/Problem-Solving, pp. 9, 13, **TCR**
- \_\_\_\_\_ Cultural Diversity, pp. 55, 59, **TCR**

**Multimedia Options**

- \_\_\_\_\_ Vocabulary Puzzlemaker Software, Ch. 19
- \_\_\_\_\_ Guided Reading Audio Program (English & Spanish), Ch. 19
- \_\_\_\_\_ Using the Internet in the Science Classroom, **TCR**
- \_\_\_\_\_ Science Web site: [science.glencoe.com](http://science.glencoe.com)