

# Properties of s-Block Elements

▶ pages 179–185  
▶ 1 class session(s)

## Section Objectives

- **Explain** how elements in a given group are both similar and different.
- **Discuss** the properties of hydrogen.
- **Describe** and **compare** the properties of alkali metals and alkaline earth metals.

## National Science Content Standards

UCP.1, UCP.2, UCP.5; A.1; B.1, B.2, B.3, B.6; E.2; F.5; G.3

## Georgia QCC

1, 1.2, 2.1, 3.1, 4, 5.2, 5.3, 6, 9.6

## Focus

\_\_\_\_\_ Section Focus Transparency 23 and Master

## Teach

- \_\_\_\_\_ Discovery Lab, *SE* p. 179
- \_\_\_\_\_ MiniLab, *SE* p. 184
- \_\_\_\_\_ ChemLab 7, *SE* pp. 202–203
- \_\_\_\_\_ Quick Demo, *TWE* pp. 180, 182, 185
- \_\_\_\_\_ Chemistry Journal, *TWE* p. 181
- \_\_\_\_\_ *ChemLab and MiniLab Worksheets*, pp. 25–28 *TCR*
- \_\_\_\_\_ Teaching Transparency 22 and Master
- \_\_\_\_\_ *Spanish Resources*, 7.1 *TCR*

## Assess

- \_\_\_\_\_ Section Assessment, *SE* p. 185
- \_\_\_\_\_ Check for Understanding, *TWE* p. 185
- \_\_\_\_\_ Reteach, *TWE* p. 185
- \_\_\_\_\_ *Study Guide for Content Mastery*, pp. 37–38 *TCR*

## Enrichment/Application

- \_\_\_\_\_ Extension, *TWE* p. 181
- \_\_\_\_\_ *Challenge Problems*, p. 7 *TCR*
- \_\_\_\_\_ *Cooperative Learning in the Science Classroom*, *TCR*

## Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 183, 184, 185
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*
- \_\_\_\_\_ *Performance Assessment in the Science Classroom*, *TCR*

## Multimedia Options

- \_\_\_\_\_ **Chemistry Interactive CD-ROM**, Section 7.1 Exploration
- \_\_\_\_\_ **Vocabulary PuzzleMaker Software**, Ch. 7
- \_\_\_\_\_ **Cosmic Chemistry Videodisc**, Disc 2, Side 3
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ Chemistry Web site: [ga.science.glencoe.com](http://ga.science.glencoe.com)

# Properties of p-Block Elements



► pages 186–196  
► 1 1/2 class session(s)

## Section Objectives

- **Describe** and **compare** properties of p-block elements.
- **Define** allotropes and provide examples.
- **Explain** the importance to organisms of selected p-block elements.

## National Science Content Standards

UCP.1, UCP.2, UCP.5; B.1, B.2, B.3; E.1, E.2; F.1, F.4, F.5, F.6; G.3

## Georgia QCC

4, 5.2, 5.3, 6

## Focus

\_\_\_\_\_ Section Focus Transparency 24 and Master

## Teach

- \_\_\_\_\_ Problem-Solving Lab, *SE* p. 191
- \_\_\_\_\_ Quick Demo, *TWE* p. 194
- \_\_\_\_\_ Chemistry Journal, *TWE* p. 187
- \_\_\_\_\_ Teaching Transparency 23 and Master
- \_\_\_\_\_ *Spanish Resources*, 7.2 TCR

## Assess

- \_\_\_\_\_ Section Assessment, *SE* p. 196
- \_\_\_\_\_ Check for Understanding, *TWE* p. 196
- \_\_\_\_\_ Reteach, *TWE* p. 196
- \_\_\_\_\_ *Study Guide for Content Mastery*, pp. 39–40 TCR

## Enrichment/Application

- \_\_\_\_\_ Extension, *TWE* p. 196
- \_\_\_\_\_ *Cooperative Learning in the Science Classroom*, TCR

## Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 191, 193, 195
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, TCR
- \_\_\_\_\_ *Performance Assessment in the Science Classroom*, TCR

## Multimedia Options

- \_\_\_\_\_ **Chemistry Interactive CD-ROM**, Section 7.2 Video and Experiment
- \_\_\_\_\_ **Vocabulary PuzzleMaker Software**, Ch. 7
- \_\_\_\_\_ **Cosmic Chemistry Videodisc**, Disc 1, Side 1; Disc 2, Side 4; Disc 3, Side 5; Disc 3, Side 6; Disc 4, Side 8
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, TCR
- \_\_\_\_\_ Chemistry Web site: [ga.science.glencoe.com](http://ga.science.glencoe.com)

## Properties of d-Block and f-Block Elements



► pages 197–201  
► 2 1/2 class session(s)

### Section Objectives

- **Compare** the electron configurations of transition and inner transition metals.
- **Describe** the properties of transition elements.
- **Explain** why some transition metals form compounds with color and some have magnetic properties.

### National Science Content Standards

UCP.1, UCP.2, UCP.5; A.1, A.2; B.1, B.2, B.3, B.6; E.1, E.2; F.1, F.4, F.6; G.1

### Georgia QCC

1, 1.2, 2, 2.1, 3.1, 4, 5, 5.2, 5.3, 6, 9.6

### Focus

\_\_\_\_\_ Section Focus Transparency 25 and Master

### Teach

- \_\_\_\_\_ How It Works, *SE* p. 204  
 \_\_\_\_\_ Quick Demo, *TWE* p. 199  
 \_\_\_\_\_ Identifying Misconceptions, *TWE* p. 198  
 \_\_\_\_\_ Chemistry Journal, *TWE* p. 198  
 \_\_\_\_\_ *Laboratory Manual*, pp. 49–52 *TCR*  
 \_\_\_\_\_ *Small-Scale Laboratory Manual*, pp. 13–20 *TCR*  
 \_\_\_\_\_ Teaching Transparency 24 and Master  
 \_\_\_\_\_ *Spanish Resources*, 7.3 *TCR*

### Assess

- \_\_\_\_\_ Section Assessment, *SE* p. 201  
 \_\_\_\_\_ Check for Understanding, *TWE* p. 201  
 \_\_\_\_\_ Reteach, *TWE* p. 201  
 \_\_\_\_\_ *Study Guide for Content Mastery*, pp. 41–42 *TCR*  
 \_\_\_\_\_ *Reviewing Chemistry: Preparing for the Georgia High School Graduation Test*, *TCR*

### Enrichment/Application

- \_\_\_\_\_ *Cooperative Learning in the Science Classroom*, *TCR*

### Chapter Assessment

- \_\_\_\_\_ Chapter 7 Assessment, *SE* pp. 206–209  
 \_\_\_\_\_ Assessment, *TWE* pp. 199, 201, 203  
 \_\_\_\_\_ *Chapter Assessment*, pp. 37–42 *TCR*  
 \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*  
 \_\_\_\_\_ *Performance Assessment in the Science Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **Chemistry Interactive CD-ROM**, Section 7.3 Video  
 \_\_\_\_\_ **Vocabulary PuzzleMaker Software**, Ch. 7  
 \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 7  
 \_\_\_\_\_ **TestCheck Software**, Ch. 7  
 \_\_\_\_\_ **Chemistry Interactive CD-ROM**, Chapter 7 quiz  
 \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*  
 \_\_\_\_\_ Chemistry Web site: [ga.science.glencoe.com](http://ga.science.glencoe.com)