

Properties of Matter

▶ pages 55–60
▶ 1 class session(s)

Section Objectives

- **Identify** the characteristics of a substance.
- **Distinguish** between physical and chemical properties.
- **Differentiate** among the physical states of matter.

National Science Content Standards

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

Georgia QCC

1, 1.2, 2, 2.1, 3.1, 9.6, 15, 15.1, 15.2, 15.6

Focus

_____ Section Focus Transparency 9 and Master

Teach

- _____ Discovery Lab, *SE* p. 55
- _____ Problem-Solving Lab, *SE* p. 60
- _____ Quick Demo, *TWE* pp. 55, 57
- _____ Identifying Misconceptions, *TWE* p. 56
- _____ Chemistry Journal, *TWE* p. 56
- _____ *Laboratory Manual*, pp. 17–24 *TCR*
- _____ Teaching Transparency 7 and Master
- _____ *Spanish Resources*, 3.1 *TCR*

Assess

- _____ Section Assessment, *SE* p. 60
- _____ Check for Understanding, *TWE* p. 58
- _____ Reteach, *TWE* p. 59
- _____ *Study Guide for Content Mastery*, pp. 13–14 *TCR*

Enrichment/Application

- _____ Extension, *TWE* p. 59
- _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Assessment, *TWE* pp. 58, 59, 60
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Chemistry Interactive CD-ROM**, Section 3.1 Exploration and Video
- _____ **Vocabulary PuzzleMaker Software**, Ch. 3
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Chemistry Web site: ga.science.glencoe.com

Changes in Matter

▶ pages 61–65
▶ 1 class session(s)

Section Objectives

- **Define** physical change and list several common physical changes.
- **Define** chemical change and list several indications that a chemical change has taken place.
- **Apply** the law of conservation of mass to chemical reactions.

National Science Content Standards

UCP.1, UCP.2, UCP.3; B.2, B.3, B.5, B.6

Georgia QCC

2, 9.1, 9.6, 14, 15, 15.2

Focus

_____ Section Focus Transparency 10 and Master

Teach

- _____ ChemLab 3, *SE* pp. 78–79
- _____ Quick Demo, *TWE* pp. 61, 62, 64
- _____ Chemistry Journal, *TWE* p. 64
- _____ *ChemLab and MiniLab Worksheets*, pp. 10–12 *TCR*
- _____ Teaching Transparency 6 and Master
- _____ *Spanish Resources*, 3.2 *TCR*

Assess

- _____ Section Assessment, *SE* p. 65
- _____ Check for Understanding, *TWE* p. 65
- _____ Reteach, *TWE* p. 65
- _____ *Study Guide for Content Mastery*, p. 15 *TCR*
- _____ Math Skills Transparency 2 and Master

Enrichment/Application

- _____ *Challenge Problems*, p. 3 *TCR*
- _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Assessment, *TWE* pp. 62, 63, 65
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Vocabulary PuzzleMaker Software**, Ch. 3
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Chemistry Web site: ga.science.glencoe.com

Mixtures of Matter

▶ pages 66–69
▶ 2 class session(s)

Section Objectives

- **Contrast** mixtures and substances.
- **Classify** mixtures as homogeneous or heterogeneous.
- **List** and **describe** several techniques used to separate mixtures.

National Science Content Standards

UCP.1, UCP.2, UCP.3; A.1; B.2; E.1

Georgia QCC

1, 1.2, 3.1, 9.3, 16

Focus

_____ Section Focus Transparency 11 and Master

Teach

- _____ MiniLab, SE p. 68
- _____ Quick Demo, TWE p. 67
- _____ Chemistry Journal, TWE p. 67
- _____ ChemLab and MiniLab Worksheets, p. 9 TCR
- _____ Forensics Laboratory Manual, pp. 1–12 TCR
- _____ Small-Scale Laboratory Manual, pp. 9–12 TCR
- _____ Spanish Resources, 3.3 TCR

Assess

- _____ Section Assessment, SE p. 69
- _____ Check for Understanding, TWE p. 69
- _____ Reteach, TWE p. 69
- _____ Study Guide for Content Mastery, p. 16 TCR

Enrichment/Application

- _____ Cooperative Learning in the Science Classroom, TCR

Chapter Assessment

- _____ Assessment, TWE pp. 66, 68, 69
- _____ Alternate Assessment in the Science Classroom, TCR
- _____ Performance Assessment in the Science Classroom, TCR

Multimedia Options

- _____ Chemistry Interactive CD-ROM, Section 3.3 Experiment and Exploration
- _____ Vocabulary PuzzleMaker Software, Ch. 3
- _____ Using the Internet in the Science Classroom, TCR
- _____ Chemistry Web site: ga.science.glencoe.com

Elements and Compounds



► pages 70–77
► 2 class session(s)

Section Objectives

- **Distinguish** between elements and compounds.
- **Describe** the organization of elements on the periodic table.
- **Explain** how all compounds obey the laws of definite and multiple proportions.

National Science Content Standards

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

Georgia QCC

1, 1.2, 2, 2.1, 3.1, 4, 5.2, 9.1, 9.3, 9.6, 14, 15, 16

Focus

_____ Section Focus Transparency 12 and Master

Teach

- _____ Chemistry and Society, *SE* p. 80
 _____ Quick Demo, *TWE* pp. 71, 75
 _____ Chemistry Journal, *TWE* pp. 71, 76
 _____ *ChemLab and MiniLab Worksheets*, pp. 10–12 *TCR*
 _____ Teaching Transparencies 9–10 and Masters
 _____ *Spanish Resources*, 3.4 *TCR*

Assess

- _____ Section Assessment, *SE* p. 77
 _____ Check for Understanding, *TWE* p. 76
 _____ Reteach, *TWE* p. 77
 _____ *Study Guide for Content Mastery*, pp. 17–18 *TCR*
 _____ Math Skills Transparency 3 and Master

_____ *Reviewing Chemistry: Preparing for the Georgia High School Graduation Test*, *TCR*

Enrichment/Application

- _____ Extension, *TWE* pp. 72, 77
 _____ *Supplemental Problems*, pp. 3–4 *TCR*
 _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Chapter 3 Assessment, *SE* pp. 82–85
 _____ Assessment, *TWE* pp. 73, 77, 79
 _____ *Chapter Assessment*, pp. 13–18 *TCR*
 _____ *Alternate Assessment in the Science Classroom*, *TCR*
 _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Vocabulary PuzzleMaker Software**, Ch. 3
 _____ **MindJogger Videoquizzes**, Ch. 3
 _____ **TestCheck Software**, Ch. 3
 _____ **Cosmic Chemistry Videodisc**, Disc 3, Side 6; Disc 4, Side 8; Disc 2, Side 3
 _____ **Chemistry Interactive CD-ROM**, Ch. 3 quiz
 _____ *Using the Internet in the Science Classroom*, *TCR*
 _____ Chemistry Web site: ga.science.glencoe.com