

Reactions and Equations

▶ pages 277–283
▶ 2 class session(s)

Section Objectives

- **Recognize** evidence of chemical change.
- **Represent** chemical reactions with equations.

National Science Content Standards

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

Georgia QCC

1, 1.2, 2.1, 3.1, 8, 9.1, 9.6

Focus

_____ Section Focus Transparency 35 and Master

Teach

- _____ Discovery Lab, *SE* p. 277
- _____ Quick Demo, *TWE* p. 279
- _____ Identifying Misconceptions, *TWE* p. 281
- _____ Chemistry Journal, *TWE* p. 278
- _____ Teaching Transparencies 32–33 and Masters
- _____ *Spanish Resources*, 10.1 *TCR*

Assess

- _____ Section Assessment, *SE* p. 283
- _____ Check for Understanding, *TWE* p. 283
- _____ Reteach, *TWE* p. 283
- _____ *Study Guide for Content Mastery*, pp. 55–56 *TCR*
- _____ Math Skills Transparency 11 and Master

Enrichment/Application

- _____ Extension, *TWE* p. 283
- _____ *Challenge Problems*, p. 10 *TCR*
- _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Assessment, *TWE* pp. 281, 282, 283
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Chemistry Interactive CD-ROM**, Section 10.1 Demonstration and Exploration
- _____ **Vocabulary PuzzleMaker Software**, Ch. 10
- _____ **Cosmic Chemistry Videodisc**, Disc 2, Side 3
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Chemistry Web site: ga.science.glencoe.com

Classifying Chemical Reactions

▶ pages 284–291
▶ 1 class session(s)

Section Objectives

- **Classify** chemical reactions.
- **Identify** the characteristics of different classes of chemical reactions.

National Science Content Standards

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

Georgia QCC

8, 9, 9.1, 9.2

Focus

_____ Section Focus Transparency 36 and Master

Teach

- _____ Problem-Solving Lab, *SE* p. 288
- _____ ChemLab 10, *SE* p. 300–301
- _____ Quick Demo, *TWE* p. 287
- _____ Chemistry Journal, *TWE* pp. 287, 289
- _____ *ChemLab and MiniLab Worksheets*, pp. 38–40 *TCR*
- _____ *Laboratory Manual*, pp. 73–80 *TCR*
- _____ Teaching Transparencies 34–35 and Masters
- _____ *Spanish Resources*, 10.2 *TCR*

Assess

- _____ Section Assessment, *SE* p. 291
- _____ Check for Understanding, *TWE* p. 290
- _____ Reteach, *TWE* p. 291
- _____ *Study Guide for Content Mastery*, pp. 57–58 *TCR*

Enrichment/Application

- _____ Extension, *TWE* p. 291
- _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Assessment, *TWE* pp. 288, 291
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Chemistry Interactive CD-ROM**, Section 10.2 Demonstration, Video, and Animation
- _____ **Vocabulary PuzzleMaker Software**, Ch. 10
- _____ **Cosmic Chemistry Videodisc**, Disc 2, Side 3; Disc 3, Side 6
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Chemistry Web site: ga.science.glencoe.com

Reactions in Aqueous Solutions

▶ pages 292–299
▶ 3 class session(s)

Section Objectives

- **Describe** aqueous solutions.
- **Write** complete ionic and net ionic equations for chemical reactions in aqueous solutions.
- **Predict** whether reactions in aqueous solutions will produce a precipitate, water, or a gas.

National Science Content Standards

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

Georgia QCC

1, 1.2, 2, 2.1, 3.1, 8, 9.1, 9.2, 9.3, 9.6, 16, 16.1

Focus

_____ Section Focus Transparency 37 and Master

Teach

- _____ MiniLab, *SE* p. 295
- _____ How It Works, *SE* p. 302
- _____ Quick Demo, *TWE* p. 293
- _____ Chemistry Journal, *TWE* pp. 292, 297
- _____ *ChemLab and MiniLab Worksheets*, p. 37 *TCR*
- _____ *Small-Scale Laboratory Manual*, pp. 25–28 *TCR*
- _____ Teaching Transparency 36 and Master
- _____ *Spanish Resources*, 10.3 *TCR*

Assess

- _____ Section Assessment, *SE* p. 299
- _____ Check for Understanding, *TWE* p. 299
- _____ Reteach, *TWE* p. 299
- _____ *Study Guide for Content Mastery*, pp. 59–60 *TCR*
- _____ Math Skills Transparency 12 and Master
- _____ *Reviewing Chemistry: Preparing for the Georgia High School Graduation Test*, *TCR*

Enrichment/Application

- _____ Extension, *TWE* p. 299
- _____ *Supplemental Problems*, p. 11 *TCR*
- _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Chapter 10 Assessment, *SE* pp. 304–307
- _____ Assessment, *TWE* pp. 295, 298, 299, 301
- _____ *Chapter Assessment*, pp. 55–60 *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Chemistry Interactive CD-ROM**, Section 10.3 Experiment
- _____ **Vocabulary PuzzleMaker Software**, Ch. 10
- _____ **MindJogger Videoquizzes**, Ch. 10
- _____ **TestCheck Software**, Ch. 10
- _____ **Chemistry Interactive CD-ROM**, Ch. 10 quiz
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Chemistry Web site: ga.science.glencoe.com