

Gases

▶ pages 385–392
▶ 1 class session(s)

Section Objectives

- Use the kinetic-molecular theory to explain the behavior of gases.
- **Describe** how mass affects the rates of diffusion and effusion.
- **Explain** how gas pressure is measured and **calculate** the partial pressure of a gas.

National Science Content Standards

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

Georgia QCC

1, 1.2, 2, 2.1, 3.1, 15

Focus

_____ Section Focus Transparency 47 and Master

Teach

- _____ Discovery Lab, *SE* p. 385
- _____ Problem-Solving Lab, *SE* p. 390
- _____ Quick Demo, *TWE* p. 387
- _____ Chemistry Journal, *TWE* pp. 386, 389
- _____ Teaching Transparency 40 and Master
- _____ *Spanish Resources*, 13.1 *TCR*

Assess

- _____ Section Assessment, *SE* p. 392
- _____ Check for Understanding, *TWE* p. 391
- _____ Reteach, *TWE* p. 392
- _____ *Study Guide for Content Mastery*, pp. 73–74 *TCR*

Enrichment/Application

- _____ Extension, *TWE* p. 392
- _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Assessment, *TWE* pp. 388, 390, 391, 392
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Chemistry Interactive CD-ROM**, Section 13.1 Animation
- _____ **Vocabulary PuzzleMaker Software**, Ch. 13
- _____ **Cosmic Chemistry Videodisc**, Disc 1, Side 2
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Chemistry Web site: ga.science.glencoe.com

Forces of Attraction



► pages 393–395
► 1 1/2 class session(s)

Section Objectives

- **Describe** and **compare** intramolecular and intermolecular forces.
- **Distinguish** among intermolecular forces.

National Science Content Standards

UCP.1, UCP.2, UCP.3; B.2, B.4

Georgia QCC

8.3, 8.4, 15

Focus

_____ Section Focus Transparency 48 and Master

Teach

- _____ Quick Demo, *TWE* p. 393
- _____ Chemistry Journal, *TWE* p. 394
- _____ *Spanish Resources*, 13.2 TCR

Assess

- _____ Section Assessment, *SE* p. 395
- _____ Check for Understanding, *TWE* p. 394
- _____ Reteach, *TWE* p. 395
- _____ *Study Guide for Content Mastery*, p. 75 TCR

Enrichment/Application

- _____ Extension, *TWE* p. 395
- _____ *Challenge Problems*, p. 13 TCR
- _____ *Cooperative Learning in the Science Classroom*, TCR

Chapter Assessment

- _____ Assessment, *TWE* pp. 394, 395
- _____ *Alternate Assessment in the Science Classroom*, TCR
- _____ *Performance Assessment in the Science Classroom*, TCR

Multimedia Options

- _____ **Vocabulary PuzzleMaker Software**, Ch. 13
- _____ **Cosmic Chemistry Videodisc**, Disc 1, Side 2
- _____ *Using the Internet in the Science Classroom*, TCR
- _____ Chemistry Web site: ga.science.glencoe.com

Liquids and Solids

▶ pages 396–403
▶ 1 class session(s)

Section Objectives

- **Apply** kinetic-molecular theory to the behavior of liquids and solids.
- **Relate** properties such as viscosity, surface tension, and capillary action to intermolecular forces.
- **Compare** the structures and properties of different types of solids.

National Science Content Standards

UCP.1, UCP.2, UCP.3; B.2, B.4, B.5

Georgia QCC

1, 1.2, 3.1, 8.4, 15, 15.1, 15.2, 15.3

Focus

_____ Section Focus Transparency 49 and Master

Teach

- _____ MiniLab, SE p. 401
- _____ Quick Demo, TWE p. 398
- _____ Chemistry Journal, TWE p. 397
- _____ ChemLab and MiniLab Worksheets, p. 49 TCR
- _____ Spanish Resources, 13.3 TCR

Assess

- _____ Section Assessment, SE p. 403
- _____ Check for Understanding, TWE p. 403
- _____ Reteach, TWE p. 403
- _____ Study Guide for Content Mastery, p. 76 TCR
- _____ Math Skills Transparency 18 and Master

Enrichment/Application

- _____ Cooperative Learning in the Science Classroom, TCR

Chapter Assessment

- _____ Assessment, TWE pp. 399, 401, 403
- _____ Alternate Assessment in the Science Classroom, TCR
- _____ Performance Assessment in the Science Classroom, TCR

Multimedia Options

- _____ Chemistry Interactive CD-ROM, Section 13.3 Demonstration
- _____ Vocabulary PuzzleMaker Software, Ch. 13
- _____ Cosmic Chemistry Videodisc, Disc 1, Side 2
- _____ Using the Internet in the Science Classroom, TCR
- _____ Chemistry Web site: ga.science.glencoe.com

Phase Changes

▶ pages 404–409
▶ 2 1/2 class session(s)

Section Objectives

- **Explain** how the addition and removal of energy can cause a phase change.
- **Interpret** a phase diagram.

National Science Content Standards

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

Georgia QCC

1, 1.2, 2, 2.1, 3.1, 4, 5.2, 14, 14.1, 15, 15.1, 15.2

Focus

_____ Section Focus Transparency 50 and Master

Teach

- _____ ChemLab 13, SE pp. 410–411
- _____ Everyday Chemistry, SE p. 412
- _____ Quick Demo, TWE p. 406
- _____ Identifying Misconceptions, TWE p. 405
- _____ Chemistry Journal, TWE p. 404
- _____ ChemLab and MiniLab Worksheets, pp. 50–52 TCR
- _____ Laboratory Manual, pp. 97–104 TCR
- _____ Small-Scale Laboratory Manual, pp. 33–36 TCR
- _____ CBL Laboratory Manual, pp. 9–12 TCR
- _____ Teaching Transparency 41 and Master
- _____ Spanish Resources, 13.4 TCR

Assess

- _____ Section Assessment, SE p. 409
- _____ Check for Understanding, TWE p. 408
- _____ Reteach, TWE p. 408
- _____ Study Guide for Content Mastery, pp. 77–78 TCR
- _____ Reviewing Chemistry: Preparing for the Georgia High School Graduation Test, TCR

Enrichment/Application

- _____ Extension, TWE pp. 407, 409
- _____ Supplemental Problems, p. 17 TCR
- _____ Cooperative Learning in the Science Classroom, TCR

Chapter Assessment

- _____ Chapter 13 Assessment, SE pp. 414–417
- _____ Assessment, TWE pp. 405, 406, 409, 411
- _____ Chapter Assessment, pp. 73–78 TCR
- _____ Alternate Assessment in the Science Classroom, TCR
- _____ Performance Assessment in the Science Classroom, TCR

Multimedia Options

- _____ Chemistry Interactive CD-ROM, Section 13.4 Experiment, Video, and Demonstration
- _____ Vocabulary PuzzleMaker Software, Ch. 13
- _____ MindJogger Videoquizzes, Ch. 13
- _____ TestCheck Software, Ch. 13
- _____ Cosmic Chemistry Videodisc, Disc 3, Side 5
- _____ Chemistry Interactive CD-ROM, Chapter 13 quiz
- _____ Using the Internet in the Science Classroom, TCR
- _____ Chemistry Web site: ga.science.glencoe.com