

Proteins

▶ pages 775–780
▶ 1 class session(s)

Section Objectives

- **Describe** the structures of amino acids and proteins.
- **Explain** the roles of proteins in cells.

National Science Content Standards

UCP.2; A.1; B.2, B.3; F.1; G.1

Georgia QCC

1, 2.1, 3.1, 8.4, 9.6, 11, 12.3, 17

Focus

_____ Section Focus Transparency 91 and Master

Teach

- _____ Discovery Lab, *SE* p. 775
- _____ Quick Demo, *TWE* p. 776
- _____ Identifying Misconceptions, *TWE* p. 778
- _____ Chemistry Journal, *TWE* p. 779
- _____ *Laboratory Manual*, pp. 185–188 *TCR*
- _____ Teaching Transparencies 73–74 and Masters
- _____ *Spanish Resources*, 24.1 *TCR*

Assess

- _____ Section Assessment, *SE* p. 780
- _____ Check for Understanding, *TWE* p. 779
- _____ Reteach, *TWE* p. 780
- _____ *Study Guide for Content Mastery*, pp. 139–140 *TCR*
- _____ Math Skills Transparency 39 and Master

Enrichment/Application

- _____ Extension, *TWE* p. 780
- _____ *Cooperative Learning in the Science Classroom*, *TCR*

Chapter Assessment

- _____ Assessment, *TWE* pp. 777, 779, 780
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *Performance Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Chemistry Interactive CD-ROM**, Section 24.1 Animation and Experiment
- _____ **Vocabulary PuzzleMaker Software**, Ch. 24
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Chemistry Web site: ga.science.glencoe.com

Carbohydrates

▶ pages 781–783
▶ 1 class session(s)

Section Objectives

- **Describe** the structures of monosaccharides, disaccharides, and polysaccharides.
- **Explain** the functions of carbohydrates in living things.

National Science Content Standards

UCP.2; B.2; F.1

Georgia QCC

8.3, 17

Focus

_____ Section Focus Transparency 92 and Master

Teach

- _____ Quick Demo, *TWE* p. 782
- _____ Chemistry Journal, *TWE* p. 781
- _____ *Spanish Resources*, 24.2 TCR

Assess

- _____ Section Assessment, *SE* p. 783
- _____ Check for Understanding, *TWE* p. 783
- _____ Reteach, *TWE* p. 783
- _____ *Study Guide for Content Mastery*, p. 141 TCR

Chapter Assessment

- _____ Assessment, *TWE* pp. 782, 783
- _____ *Alternate Assessment in the Science Classroom*, TCR
- _____ *Performance Assessment in the Science Classroom*, TCR

Multimedia Options

- _____ **Vocabulary PuzzleMaker Software**, Ch. 24
- _____ **Cosmic Chemistry Videodisc**, Disc 4, Side 7
- _____ *Using the Internet in the Science Classroom*, TCR
- _____ Chemistry Web site: ga.science.glencoe.com

Lipids

▶ pages 784–787
▶ 1 class session(s)

Section Objectives

- **Describe** the structures of fatty acids, triglycerides, phospholipids, and steroids.
- **Explain** the functions of lipids in living organisms.
- **Identify** some reactions that fatty acids undergo.
- **Relate** the structure and function of cell membranes.

National Science Content Standards

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

Georgia QCC

1, 3.1, 8.3, 8.4, 9.1, 9.6, 11, 17

Focus

_____ Section Focus Transparency 93 and Master

Teach

- _____ MiniLab, SE p. 786
- _____ Quick Demo, TWE p. 785
- _____ Chemistry Journal, TWE p. 784
- _____ ChemLab and MiniLab Worksheets, p. 93 TCR
- _____ Laboratory Manual, pp. 189–192 TCR
- _____ Teaching Transparency 74 and Master
- _____ Spanish Resources, 24.3 TCR

Assess

- _____ Section Assessment, SE p. 787
- _____ Check for Understanding, TWE p. 787
- _____ Reteach, TWE p. 787
- _____ Study Guide for Content Mastery, p. 142 TCR

Enrichment/Application

- _____ Challenge Problems, p. 24 TCR
- _____ Cooperative Learning in the Science Classroom, TCR

Chapter Assessment

- _____ Assessment, TWE pp. 786, 787
- _____ Alternate Assessment in the Science Classroom, TCR
- _____ Performance Assessment in the Science Classroom, TCR

Multimedia Options

- _____ Chemistry Interactive CD-ROM, Section 24.3 Video and Demonstration
- _____ Vocabulary PuzzleMaker Software, Ch. 24
- _____ Using the Internet in the Science Classroom, TCR
- _____ Chemistry Web site: ga.science.glencoe.com

Nucleic Acids

▶ pages 788–791
▶ 1 class session(s)

Section Objectives

- **Identify** the structural components of nucleic acids.
- **Relate** the function of DNA to its structure.
- **Describe** the structure and function of RNA.

National Science Content Standards

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

Georgia QCC

8.3, 8.4, 11, 17

Focus

_____ Section Focus Transparency 94 and Master

Teach

- _____ Problem-Solving Lab, SE p. 790
- _____ Quick Demo, TWE p. 789
- _____ Chemistry Journal, TWE p. 789
- _____ Spanish Resources, 24.4 TCR

Assess

- _____ Section Assessment, SE p. 791
- _____ Check for Understanding, TWE p. 791
- _____ Reteach, TWE p. 791
- _____ Study Guide for Content Mastery, p. 143 TCR
- _____ Math Skills Transparency 40 and Master

Enrichment/Application

- _____ Challenge Problems, p. 24 TCR
- _____ Cooperative Learning in the Science Classroom, TCR

Chapter Assessment

- _____ Assessment, TWE pp. 789, 790, 791
- _____ Alternate Assessment in the Science Classroom, TCR
- _____ Performance Assessment in the Science Classroom, TCR

Multimedia Options

- _____ Vocabulary PuzzleMaker Software, Ch. 24
- _____ Using the Internet in the Science Classroom, TCR
- _____ Chemistry Web site: ga.science.glencoe.com

Metabolism

▶ pages 792–795
▶ 2 class session(s)

Section Objectives

- **Distinguish** between anabolism and catabolism.
- **Describe** the role of ATP in metabolism.
- **Compare and contrast** the processes of photosynthesis, cellular respiration, and fermentation.

National Science Content Standards

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

Georgia QCC

1, 1.2, 2, 2.1, 3.1, 8, 8.3, 8.4, 9.1, 9.4, 9.6, 11, 12.3, 15.4, 17

Focus

_____ Section Focus Transparency 95 and Master

Teach

- _____ CBL ChemLab 24, SE p. 796–797
- _____ Everyday Chemistry, SE p. 798
- _____ Quick Demo, TWE p. 793
- _____ Chemistry Journal, TWE p. 794
- _____ ChemLab and MiniLab Worksheets, pp. 94–96 TCR
- _____ Teaching Transparency 75 and Master
- _____ Spanish Resources, 24.5 TCR

Assess

- _____ Section Assessment, SE p. 795
- _____ Check for Understanding, TWE p. 794
- _____ Reteach, TWE p. 795
- _____ Study Guide for Content Mastery, p. 144 TCR
- _____ Reviewing Chemistry: Preparing for the Georgia High School Graduation Test, TCR

Enrichment/Application

- _____ Extension, TWE p. 795
- _____ Supplemental Problems, pp. 37–38 TCR
- _____ Cooperative Learning in the Science Classroom, TCR

Chapter Assessment

- _____ Chapter 24 Assessment, SE pp. 800–803
- _____ Assessment, TWE pp. 793, 795, 797
- _____ Chapter Assessment, pp. 139–144 TCR
- _____ Alternate Assessment in the Science Classroom, TCR
- _____ Performance Assessment in the Science Classroom, TCR

Multimedia Options

- _____ Vocabulary PuzzleMaker Software, Ch. 24
- _____ MindJogger Videoquizzes, Ch. 24
- _____ TestCheck Software, Ch. 24
- _____ Chemistry Interactive CD-ROM, Ch. 24 quiz
- _____ Using the Internet in the Science Classroom, TCR
- _____ Chemistry Web site: ga.science.glencoe.com