



**KEY:** *SE* = Student Edition, *TWE* = Teacher Wraparound Edition, *TCR* = Teacher Classroom Resources, *NGS* = National Geographic Society videodisc, *BDOL* = Biology: The Dynamics of Life

pp. 200–206

2 class session(s)

### Section Objectives

- **Explain** how the processes of diffusion, passive transport, and active transport occur and why they are important to cells.
- **Predict** the effect of a hypotonic, hypertonic, or isotonic solution on a cell.

### National Science Content Standards

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

### Georgia QCC

1.1, 1.2, 1.3, 2.1, 5.1, 5.2, 5.3, 5.4

### Focus

- \_\_\_\_\_ Section Focus Transparency 18 and Master Getting Started Demo, *TWE* p. 200
- \_\_\_\_\_ Bellringer, *TWE* p. 201

### Teach

- \_\_\_\_\_ MiniLab 8-1, *SE* p. 204
- \_\_\_\_\_ Quick Demo, *TWE* p. 202
- \_\_\_\_\_ Alternative Lab, *TWE* p. 202
- \_\_\_\_\_ Biology Journal, *TWE* p. 205
- \_\_\_\_\_ *BioLab and MiniLab Worksheets*, p. 35 *TCR*
- \_\_\_\_\_ *Laboratory Manual*, pp. 55–56 *TCR*
- \_\_\_\_\_ *Concept Mapping*, p. 8 *TCR*
- \_\_\_\_\_ Basic Concepts Transparency 9 and Master
- \_\_\_\_\_ *Spanish Resources*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 206
- \_\_\_\_\_ Check for Understanding, *TWE* p. 205
- \_\_\_\_\_ Reteach, *TWE* p. 206
- \_\_\_\_\_ *Content Mastery*, pp. 37–38, 40 *TCR*
- \_\_\_\_\_ *Reinforcement and Study Guide*, p. 33, *TCR*
- \_\_\_\_\_ Reteaching Skills Transparencies 11, 12 and Masters

### Enrichment/Application

- \_\_\_\_\_ Tech Prep, *TWE* p. 203
- \_\_\_\_\_ Enrichment, *TWE* p. 205
- \_\_\_\_\_ Extension, *TWE* p. 206

### Close

- \_\_\_\_\_ Discussion, *TWE* p. 206

### Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 202, 203, 204, 206
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **BDOL CD-ROM** Section 8.1 Summary
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 8 videotape
- \_\_\_\_\_ **ExamView®Pro Software**, Ch. 8
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ **BDOL Videodisc:** *Passive Transport, Active Transport*
- \_\_\_\_\_ **Videodisc:** *The Secret of Life: Osmosis Demonstration*
- \_\_\_\_\_ Glencoe Science Web Site:  
[ga.science.glencoe.com](http://ga.science.glencoe.com)

# Lesson Plan 8.2

## Cell Growth and Reproduction



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pp. 207–216

2 class session(s)

### Section Objectives

- **Sequence** the events of the cell cycle.
- **Relate** the function of a cell to its organization as a tissue, an organ, and an organ system.

### National Science Content Standards

UCP.1–3, UCP.5; A.1, A.2; C.1, C.5; G.1–3

### Georgia QCC

1.1, 1.2, 1.3, 1.4, 4.2, 4.4, 4.5, 5.2, 5.3, 9.1, 9.2, 9.3

### Focus

\_\_\_\_\_ Section Focus Transparency 19 and Master  
\_\_\_\_\_ Bellringer, *TWE* p. 207

### Teach

\_\_\_\_\_ Problem-Solving Lab 8-1, *SE* p. 209  
\_\_\_\_\_ Problem-Solving Lab 8-2, *SE* p. 210  
\_\_\_\_\_ Inside Story, *SE* p. 211  
\_\_\_\_\_ MiniLab 8-2, *SE* p. 215  
\_\_\_\_\_ Investigate BioLab, *SE* p. 220  
\_\_\_\_\_ Biology Journal, *TWE* p. 207  
\_\_\_\_\_ Quick Demo, *TWE* p. 208  
\_\_\_\_\_ Portfolio, *TWE* p. 209, 211, 212  
\_\_\_\_\_ Cultural Diversity, *TWE* p. 210  
\_\_\_\_\_ *BioLab and MiniLab Worksheets*, p. 36 *TCR*  
\_\_\_\_\_ *Laboratory Manual*, pp. 57–60 *TCR*  
\_\_\_\_\_ Basic Concepts Transparency 10 and Master  
\_\_\_\_\_ *Spanish Resources*

### Assess/Reteach

\_\_\_\_\_ Section Assessment, *SE* p. 216  
\_\_\_\_\_ Reinforcement, *TWE* p. 214  
\_\_\_\_\_ Check for Understanding, *TWE* p. 216  
\_\_\_\_\_ Reteach, *TWE* p. 216  
\_\_\_\_\_ *Content Mastery*, pp. 37, 39–40 *TCR*  
\_\_\_\_\_ *Reinforcement and Study Guide*, pp. 34–35 *TCR*  
\_\_\_\_\_ Reteaching Skills Transparency 13 and Master

### Enrichment/Application

\_\_\_\_\_ Enrichment, *TWE* pp. 212, 214  
\_\_\_\_\_ Tech Prep, *TWE* p. 213  
\_\_\_\_\_ Extension, *TWE* p. 216

### Close

\_\_\_\_\_ Activity, *TWE* p. 216

### Chapter Assessment

\_\_\_\_\_ Assessment, *TWE* p. 208, 209, 210, 215, 216  
\_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*  
\_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

### Multimedia Options

\_\_\_\_\_ **BDOL CD-ROM** Section 8.2 Summary;  
Animation: *The Cell Cycle*; Exploration: *Phases of Mitosis*  
\_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 8 videotape  
\_\_\_\_\_ **ExamView®Pro Software**, Ch. 8  
\_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*  
\_\_\_\_\_ **BDOL Videodisc:** *The Cell Cycle*  
\_\_\_\_\_ **NGS Videodisc:** STV: *The Cell, How Cells Reproduce*  
\_\_\_\_\_ Glencoe Science Web Site:  
[ga.science.glencoe.com](http://ga.science.glencoe.com)



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pp. 217–225

2 class session(s)

### Section Objectives

- **Describe** the role of enzymes in the regulation of the cell cycle.
- **Distinguish** between events of a normal cell cycle and abnormal events that result in cancer.
- **Identify** ways to potentially reduce the risk of cancer.

### National Science Content Standards

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

### Georgia QCC

1.1, 1.2, 1.3, 1.4, 2.1, 3.2, 5.2, 5.3, 5.4, 9.1, 9.3, 10.1

### Focus

- \_\_\_\_\_ Section Focus Transparency 20 and Master Bellringer, *TWE* p. 217

### Teach

- \_\_\_\_\_ Problem-Solving Lab 8-3, *SE* p. 218
- \_\_\_\_\_ Health Connection, *SE* p. 222
- \_\_\_\_\_ Biology Journal, *TWE* p. 217
- \_\_\_\_\_ Portfolio, *TWE* pp. 217, 218
- \_\_\_\_\_ *BioLab and MiniLab Worksheets*, pp. 37–38 *TCR*
- \_\_\_\_\_ *Spanish Resources*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 219
- \_\_\_\_\_ Check for Understanding, *TWE* p. 219
- \_\_\_\_\_ Reteach, *TWE* p. 219
- \_\_\_\_\_ *Reinforcement and Study Guide*, p. 36 *TCR*
- \_\_\_\_\_ *Content Mastery*, pp. 37, 39–40 *TCR*
- \_\_\_\_\_ *5 Days to the Georgia High School Graduation Test*, *TCR*

### Enrichment/Application

- \_\_\_\_\_ Extension, *TWE* p. 219
- \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 8 *TCR*

### Close

- \_\_\_\_\_ Activity, *TWE* p. 219

### Chapter Assessment

- \_\_\_\_\_ Chapter Assessment, *SE* pp. 223–225
- \_\_\_\_\_ Assessment, *TWE* pp. 218, 219, 221
- \_\_\_\_\_ *Chapter Assessment*, pp. 43–48 *TCR*
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*
- \_\_\_\_\_ **BDOL Interactive CD-ROM**, Chapter 8 quiz

### Multimedia Options

- \_\_\_\_\_ **BDOL CD-ROM** Section 8.3 Summary
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 8 videotape
- \_\_\_\_\_ **ExamView® Pro Software**, Ch. 8
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ **Videodisc: *The Infinite Voyage***: The Living Clock, Time Therapy: Curing Cancer Through Chronobiology
- \_\_\_\_\_ Glencoe Science Web Site: [ga.science.glencoe.com](http://ga.science.glencoe.com)