



Chapter Pacing Guide

Please note that this pace is based on completing selected sections of the text in 90 classes, approximately 90 minutes each. Less time can be allotted for each chapter if you plan to teach the entire text.

Period	Content
1	8.1 Cellular Transport
2	8.2 Cell Growth and Reproduction
0.5	Chapter Assessment

Block Schedule Planning Guide

8.1

Cellular Transport

pages 201–206

Pacing Guide

1 period

Lesson & MiniLab

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

National Science Content Standards: UCP.1–3, UCP.5; A.1, A.2; B.6, C.1, C.5

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.

Georgia QCC: 1.1, 1.2, 1.3, 2.1, 5.1, 5.2, 5.3, 5.4

Lesson Resources

- _____ Section Focus Transparency 18 and Master
- _____ Basic Concepts Transparency 8 and Master
- _____ *BioLab and MiniLab Worksheets*, p. 35 TCR
- _____ *Concept Mapping*, p.8 TCR
- _____ *Reinforcement and Study Guide*, p. 33 TCR
- _____ *Content Mastery*, p. 38 TCR
- _____ Reteaching Skills Transparencies 11–12 and Masters

- _____ *MindJogger Videoquizzes*, Ch.8
- _____ *English/Spanish Audiocassettes*, Section 8.1
- _____ *BDOL Videodisc*, Disc 1, Side 1
- _____ *Using the Internet in the Science Classroom*, TCR
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Optional Resources

- _____ *Laboratory Manual*, pp. 55–56 TCR
- _____ *Spanish Resources*

Multimedia Resources

- _____ BDOL CD-ROM Section 8.1 Summary

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Distribute the corrected Chapter 7 tests while students complete the Bellringer for Section 8.1. 	Section Focus Transparency 18 and Master	5 minutes
Discussion <ul style="list-style-type: none"> • Answer Chapter 7 test questions. 	<i>Chapter Assessment</i> , pp. 254–256 TCR	5 minutes
Core Lesson <ul style="list-style-type: none"> • Introduce Chapter 8 with the Getting Started Demo. • Teach the main concepts of Section 8.1. • Do the Enrichment activity. • Have students complete MiniLab 8-1. 	TWE, p. 200 TWE, pp. 201–206 TWE, p. 205 SE, p. 204	35 minutes
In-Class Check <ul style="list-style-type: none"> • Assess students' answers and discuss their results for MiniLab 8-1. • Have students do the Assessment: Interpret Scientific Illustrations. • Review the main concepts of Section 8.1 with the Concept Mapping worksheet. • Do the Check for Understanding and Reteach strategies. 	TWE, p. 204 TWE, p. 204 <i>Concept Mapping</i> , p. 8 TCR TWE, p. 206	25 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 8.1 Assessment. • Assign the Biology Journal: Comparing Modes of Transport. • Assign relevant questions from Chapter 8 Assessment. 	SE, p. 206 TWE, p. 205 SE, pp. 224–225	10 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Discussion. 	TWE, p. 206	10 minutes

[total = 90 minutes]

Block Schedule Planning Guide

8.2

Cell Growth and Reproduction

pages 207–216

Pacing Guide

2 periods

Lesson & BioLab

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National Science Content Standards: UCP.1–3, UCP.5; A.1, A.2; C.1, C.5; G.1–3

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.

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

Lesson Resources

- _____ Section Focus Transparency 19 and Master
- _____ Basic Concepts Transparency 10 and Master
- _____ *BioLab and MiniLab Worksheets*, pp. 36–38 *TCR*
- _____ *Reinforcement and Study Guide*, pp. 34–35 *TCR*
- _____ *Content Mastery*, p. 39 *TCR*
- _____ Reteaching Skills Transparency 13 and Master

- _____ **MindJogger Videoquizzes**, Ch. 8
- _____ **English/Spanish Audiocassettes**, Section 8.2
- _____ **BDOL Videodisc**, Disc 1, Side 1
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web Site:
ga.science.glencoe.com

Multimedia Resources

- _____ **BDOL CD-ROM** Section 8.2 Summary

Optional Resources

- _____ *Laboratory Manual*, pp. 57–60 *TCR*
- _____ *Spanish Resources*

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students complete the Bellringer for Section 8.2. • Have students check homework answers. 	Section Focus Transparency 19 and Master <i>TWE</i> , pp. 206, 224–225	10 minutes
Discussion <ul style="list-style-type: none"> • Answer homework questions. 	<i>TWE</i> , pp. 206, 224–225	5 minutes
Core Lesson <ul style="list-style-type: none"> • Teach the main concepts of Section 8.2. • Use the Visual Learning strategies for the Inside Story, and discuss the Thinking Critically question. 	<i>TWE</i> , pp. 207–216 <i>TWE</i> , p. 211	70 minutes
In-Class Check <ul style="list-style-type: none"> • Have students complete the BioLab and answer the Analyze and Conclude questions. • Check students' answers to the BioLab questions, and discuss their results. • Answer questions on Chapter 8 in preparation for the test. 	<i>SE</i> , pp. 220–221 <i>TWE</i> , p. 220–221 <i>TWE</i> , pp. 201–225	65 minutes
Homework <ul style="list-style-type: none"> • Have students complete Section 8.2 Assessment. • Assign relevant questions from Chapter 8 Assessment. 	<i>SE</i> , p. 216 <i>SE</i> , pp. 224–225	20 minutes
Closing <ul style="list-style-type: none"> • Assess students with the Close Activity. 	<i>TWE</i> , p. 216	10 minutes

[total = 180 minutes]

Cellular Transport and the Cell Cycle

Pacing Guide

1/2 period

Review/Assessment

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BDOL = Biology: The Dynamics
of Life

Assessment Resources

- _____ *Chapter Assessment*, Ch. 8 *TCR*
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
- _____ *5 Days to the Georgia High School Graduation Test*, *TCR*

Multimedia Resources

- _____ *MindJogger Videoquizzes*, Ch. 8
- _____ *ExamView® Pro Software*, Ch. 8
- _____ *BDOL Interactive CD-ROM* Ch. 8 quiz

Lesson Plan

Activity	Resources	Suggested Time
Classroom Management <ul style="list-style-type: none"> • Have students check homework answers. 	<i>TWE</i> , p. 216 <i>TWE</i> , pp. 224–225	5 minutes
Reviewing the Chapter <ul style="list-style-type: none"> • Answer homework questions. • Answer any final questions about Chapter 8. 	<i>TWE</i> , pp. 200–225	5 minutes
Assessment <ul style="list-style-type: none"> • Distribute the test and allow students to work quietly. 	<i>Chapter Assessment</i> , pp. 43–48 <i>TCR</i>	30–35 minutes
Closing <ul style="list-style-type: none"> • As students complete the test, let them explore the Internet connection for Chapter 9 	ga.science.glencoe.com	0–5 minutes

[total = 45 minutes]