

pp. 253–262

3 class session(s)

**KEY:** SE = Student Edition, TWE = Teacher Wraparound Edition, TCR = Teacher Classroom Resources, BDOL = Biology: The Dynamics of Life, URB = Unit Resources Booklet

### Section Objectives

- **Relate** Mendel's two laws to the results he obtained in his experiments with garden peas.
- **Predict** the possible offspring of a genetic cross by using a Punnett square.

### National Science Content Standards

UCP.1–3; UCP.5; A.1, A.2; G.1–3

### Focus

- \_\_\_\_\_ Section Focus Transparency 24 and Master, *TCR/URB*
- \_\_\_\_\_ Two-Minute Chapter Launcher, *TWE* p. 252
- \_\_\_\_\_ Bellringer, *TWE* p. 253

### Teach

- \_\_\_\_\_ MiniLab 10.1, *SE* p. 254
- \_\_\_\_\_ Problem-Solving Lab 10.1, *SE* p. 262
- \_\_\_\_\_ Internet BioLab, *SE* p. 274
- \_\_\_\_\_ Connection to Math, *SE* p. 276
- \_\_\_\_\_ Quick Demo, *TWE* p. 259
- \_\_\_\_\_ Biology Journal, *TWE* p. 260
- \_\_\_\_\_ *MiniLab Worksheet*, p. 3 *URB*
- \_\_\_\_\_ *BioLab Worksheet*, pp. 5–6 *URB*
- \_\_\_\_\_ *Transparency Worksheets*, pp. 19, 21–22, 25–26 *URB*
- \_\_\_\_\_ *Reading Essentials for Biology*, Section 10.1 *TCR*
- \_\_\_\_\_ Basic Concept Transparency 14 and Master, *TCR/URB*

### Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 262
- \_\_\_\_\_ Check for Understanding, *TWE* p. 261
- \_\_\_\_\_ Reteach, *TWE* p. 261
- \_\_\_\_\_ *Reinforcement and Study Guide*, *URB* English, pp. 9–10; Spanish, pp. 13–14
- \_\_\_\_\_ Reteaching Skills Transparency 16 and Master, *TCR/URB*

### Enrichment/Application

- \_\_\_\_\_ Enrichment, *TWE* p. 255
- \_\_\_\_\_ Project, *TWE* p. 257
- \_\_\_\_\_ Tech Prep, *TWE* p. 258
- \_\_\_\_\_ Extension, *TWE* p. 261
- \_\_\_\_\_ *Critical Thinking/Problem Solving*, p. 18 *URB*
- \_\_\_\_\_ *Real World BioApplications*, pp. 7–8 *URB*

### Chapter Assessment

- \_\_\_\_\_ Assessment, *TWE* pp. 254, 261, 262
- \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*

### Multimedia Options

- \_\_\_\_\_ **Interactive Chalkboard CD-ROM:** Section 10.1 Presentation
- \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 10 DVD/VHS
- \_\_\_\_\_ **ExamView®Pro Testmaker CD-ROM**, Ch. 10
- \_\_\_\_\_ *Using the Internet in the Science Classroom*, *TCR*
- \_\_\_\_\_ **TeacherWorks™ CD-ROM**
- \_\_\_\_\_ **Guided Reading Audio Summaries MP3**
- \_\_\_\_\_ **Virtual Labs CD-ROM**
- \_\_\_\_\_ Virtual Lab: *Punnett Squares*
- \_\_\_\_\_ Glencoe Science Web site: [bdol.glencoe.com](http://bdol.glencoe.com)

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## Section Objectives

- **Analyze** how meiosis maintains a constant number of chromosomes within a species.
- **Infer** how meiosis leads to variation in a species.
- **Relate** Mendel's laws of heredity to the events of meiosis.

## National Science Content Standards

UCP.1–3; A.1, A.2; C.1, C.2; E.1, E.2; F.6; G.1–3

## Focus

- \_\_\_\_\_ Section Focus Transparency 25 and Master, *TCR/URB*  
 \_\_\_\_\_ Bellringer, *TWE*, p. 263

## Teach

- \_\_\_\_\_ Problem-Solving Lab 10.2, *SE* p. 264  
 \_\_\_\_\_ MiniLab 10.2, *SE* p. 268  
 \_\_\_\_\_ Inside Story, *SE* p. 272  
 \_\_\_\_\_ Cultural Diversity, *TWE* p. 264  
 \_\_\_\_\_ Additional Lab, *TWE* p. 266  
 \_\_\_\_\_ Quick Demo, *TWE* p. 266  
 \_\_\_\_\_ Portfolio, *TWE* p. 270  
 \_\_\_\_\_ Internet BioLab, *SE* p. 274
- \_\_\_\_\_ Biology Journal, *TWE* p. 276  
 \_\_\_\_\_ *MiniLab Worksheet*, p. 4 *URB*  
 \_\_\_\_\_ *Transparency Worksheets*, pp. 20, 23–24, 27–28 *URB*  
 \_\_\_\_\_ *Laboratory Manual*, pp. 53–54, 55–58 *TCR*  
 \_\_\_\_\_ *Reading Essentials for Biology*, Section 10.2 *TCR*  
 \_\_\_\_\_ *Concept Mapping*, p. 17 *URB*  
 \_\_\_\_\_ Basic Concepts Transparency 15 and Master, *TCR/URB*

## Assess/Reteach

- \_\_\_\_\_ Section Assessment, *SE* p. 273  
 \_\_\_\_\_ Check for Understanding, *TWE* p. 273  
 \_\_\_\_\_ Reteach, *TWE* p. 273
- \_\_\_\_\_ *Reinforcement and Study Guide*, *URB*  
 English, pp. 11–12; Spanish, pp. 15–16  
 \_\_\_\_\_ Reteaching Skills Transparency 17 and Master, *TCR/URB*

## Enrichment/Application

- \_\_\_\_\_ Tech Prep, *TWE* p. 271  
 \_\_\_\_\_ Extension, *TWE* p. 273

## Chapter Assessment

- \_\_\_\_\_ Chapter Assessment, *SE* pp. 277–279  
 \_\_\_\_\_ Assessment, *TWE* pp. 264, 267, 268, 273  
 \_\_\_\_\_ *Chapter Assessment*, pp. 29–34 *URB*  
 \_\_\_\_\_ *Student Recording Sheet*, p. 35 *URB*  
 \_\_\_\_\_ *Performance Assessment in the Biology Classroom*, *TCR*
- \_\_\_\_\_ *Alternate Assessment in the Science Classroom*, *TCR*  
 \_\_\_\_\_ **Interactive Chalkboard CD-ROM**,  
 Chapter 10 Assessment  
 \_\_\_\_\_ *The Princeton Review: Reviewing Biology*,  
 pp. 19–20 *TCR*

## Multimedia Options

- \_\_\_\_\_ **Interactive Chalkboard CD-ROM:**  
 Section 10.2 Presentation  
 \_\_\_\_\_ **MindJogger Videoquizzes**, Ch. 10 DVD/VHS  
 \_\_\_\_\_ **ExamView® Pro Testmaker CD-ROM**, Ch. 10
- \_\_\_\_\_ **TeacherWorks™ CD-ROM**  
 \_\_\_\_\_ **Guided Reading Audio Summaries MP3**  
*Using the Internet in the Science Classroom*, *TCR*  
 \_\_\_\_\_ Glencoe Science Web site: [bdol.glencoe.com](http://bdol.glencoe.com)