

pp. 337–340

1 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

- **Predict** the outcome of a test cross.
- **Evaluate** the importance of plant and animal breeding to humans.

National Science Content Standards

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

Focus

- _____ Section Focus Transparency 32 and Master, *TCR/URB*
- _____ Two-Minute Chapter Launcher, *TWE* p. 336
- _____ Bellringer, *TWE* p. 337

Teach

- _____ Problem-Solving Lab 13.1, *SE* p. 339
- _____ Quick Demo, *TWE* p. 338
- _____ *Reading Essentials for Biology*, Section 13.1 *TCR*
- _____ *Transparency Worksheets*, pp. 135, 139–140 *URB*
- _____ Basic Concepts Transparency 19 and Master, *TCR/URB*
- _____ *Laboratory Manual*, pp. 75–78 *TCR*

Assess/Reteach

- _____ Section Assessment, *SE* p. 340
- _____ Check for Understanding, *TWE* p. 340
- _____ Reteach, *TWE* p. 340
- _____ *Reinforcement and Study Guide*, *URB*: English, p. 125; Spanish, p. 129

Enrichment/Application

- _____ Extension, *TWE* p. 340

Chapter Assessment

- _____ Assessment, *TWE* pp. 339, 340
- _____ *Performance Assessment in the Biology Classroom*, *TCR*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*

Multimedia Options

- _____ **Interactive Chalkboard CD-ROM:** Section 13.1 Presentation
- _____ **MindJogger Videoquizzes**, Ch. 13 DVD/VHS
- _____ **ExamView® Pro Testmaker CD-ROM**, Ch. 13
- _____ **TeacherWorks™ CD-ROM**
- _____ **Guided Reading Audio Summaries MP3**
- _____ *Using the Internet in the Science Classroom*, *TCR*
- _____ Glencoe Science Web site: bdol.glencoe.com

pp. 341–348

1 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

- Summarize the steps used to engineer transgenic organisms.
- Give examples of applications and benefits of genetic engineering.

National Science Content Standards

UCP.2, UCP.3; A.1, A.2; C.2; E.1, E.2; F.1, F.5, F.6; G.1, G.2

Focus

_____ Section Focus Transparency 33 and Master, TCR/URB
 _____ Bellringer, TWE p. 349

Teach

_____ MiniLab 13.1, SE p. 343
 _____ Inside Story, SE p. 346
 _____ Problem-Solving Lab 13.2, SE p. 347
 _____ Investigate BioLab, SE p. 354
 _____ Biotechnology, SE p. 356
 _____ Quick Demo, TWE p. 342
 _____ Transparency Worksheets, pp. 136, 141–142 URB
 _____ Reading Essentials for Biology, Section 13.2 TCR
 _____ MiniLab Worksheet, pp. 117–118 URB
 _____ BioLab Worksheet, pp. 121–122 URB
 _____ Laboratory Manual, pp. 79–82 TCR

Assess/Reteach

_____ Section Assessment, SE p. 348
 _____ Check for Understanding, TWE p. 348
 _____ Reteach, TWE p. 348
 _____ Reteaching Skills Transparency 22, TCR/URB
 _____ Reinforcement and Study Guide, URB: English, pp. 126–127; Spanish, pp. 130–131

Enrichment/Application

_____ Project, TWE p. 346
 _____ Enrichment, TWE p. 345
 _____ Extension, TWE p. 348
 _____ Real World BioApplications, pp. 123–124 URB

Chapter Assessment

_____ Assessment, TWE pp. 343, 347, 348
 _____ Performance Assessment in the Biology Classroom, TCR
 _____ Alternate Assessment in the Science Classroom, TCR

Multimedia Options

_____ Interactive Chalkboard CD-ROM:
 Section 13.2 Presentation
 _____ MindJogger Videoquizzes, Ch. 13 DVD/VHS
 _____ ExamView®Pro Testmaker CD-ROM, Ch. 13
 _____ TeacherWorks™ CD-ROM
 _____ Guided Reading Audio Summaries MP3
 _____ Virtual Labs CD-ROM
 Virtual Lab: *Tracking Grizzlies*
 _____ Using the Internet in the Science Classroom, TCR
 _____ Glencoe Science Web site: bdol.glencoe.com

pp. 349–353

2 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

- **Analyze** how the effort to completely map and sequence the human genome will advance human knowledge.
- **Predict** future applications of the Human Genome Project.

National Science Content Standards

UCP.2, UCP.3; A.1, A.2; C.2; E.1, E.2; F.1, F.5, F.6; G.3

Focus

- _____ Section Focus Transparency 34 and Master, *TCR/URB*
 _____ Bellringer, *TWE* p. 349

Teach

- _____ MiniLab 13.2, *SE* p. 350
 _____ Careers in Biology, *SE* p. 351
 _____ Problem-Solving Lab 13.3, *SE* p. 353
 _____ Additional Lab, *TWE* p. 350
 _____ Quick Demo, *TWE* p. 351
 _____ Biology Journal, *TWE* p. 353
- _____ *MiniLab Worksheet*, pp. 119–120 *URB*
 _____ *Transparency Worksheet*, p. 137 *URB*
 _____ *Reading Essentials for Biology*, Section 13.3 *TCR*
 _____ *Concept Mapping*, p. 133 *URB*

Assess/Reteach

- _____ Section Assessment, *SE* p. 353
 _____ Check for Understanding, *TWE* p. 353
 _____ Reteach, *TWE* p. 353
 _____ *Reinforcement and Study Guide*, *URB*: English, p. 128; Spanish, p. 132

Enrichment/Application

- _____ Extension, *TWE* p. 353
 _____ *Critical Thinking/Problem Solving*, p. 134 *URB*

Chapter Assessment

- _____ Chapter Assessment, *SE* pp. 357–359
 _____ Assessment, *TWE* pp. 350, 351, 352, 353
 _____ **Interactive Chalkboard CD-ROM**,
 Chapter 13 Assessment
 _____ *Chapter Assessment*, pp. 143–148 *URB*
 _____ *Student Recording Sheet*, p. 149 *URB*
- _____ *Alternate Assessment in the Science Classroom*, *TCR*
 _____ *Performance Assessment in the Biology Classroom*,
TCR
 _____ *The Princeton Review: Reviewing Biology*,
 pp. 25–26 *TCR*

Multimedia Options

- _____ **Interactive Chalkboard CD-ROM**: Section 13.3 Presentation
 _____ **MindJogger Videoquizzes**, Ch. 13 DVD/VHS
 _____ **ExamView® Pro Testmaker CD-ROM**, Ch. 13
 _____ **TeacherWorks™ CD-ROM**
 _____ **Guided Reading Audio Summaries MP3**
 _____ *Using the Internet in the Science Classroom*, *TCR*
 _____ Glencoe Science Web site: bdol.glencoe.com

Lesson Plan
BioDigest
Unit 4

Genetics

pp. 360–363

1/2 class session(s)

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National Science Content Standards

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

Focus

_____ Bellringer, *TWE* p. 360

Teach

_____ Focus on History—Mendel, *SE* p. 360

_____ Quick Demo, *TWE* p. 362

_____ Portfolio, *TWE* p. 363

Assess/Reteach

_____ Check for Understanding, *TWE* p. 363

_____ Reteach, *TWE* p. 363

_____ *Reinforcement and Study Guide*, *URB*: English, pp. 151–152; Spanish, pp. 153–154

Enrichment/Application

_____ Extension, *TWE* p. 363

Assessment

_____ Assessment, *TWE* p. 363

Notes