

Section 1 ■ Genetics

Schedule

Block Schedule: 1 session (■ denotes activities recommended for block schedule.)

Single Periods: 2 sessions

Objectives

1. **Explain** how traits are inherited.
2. **Identify** Mendel's role in the history of genetics.
3. **Use** a Punnett square to predict the results of crosses.
4. **Compare and contrast** the difference between an individual's genotype and phenotypes.

National Standards

UCP2, A1, C2, G3

Motivate

- _____ Explore Activity, p. 299
- _____ Before You Read, p. 299 (Foldables, p. 13, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, pp. 40, **CRB**)

Teach

- _____ Content Background, pp. 298E–298F, **TWE**
- _____ Science Online, p. 301
- _____ Identifying Misconceptions, p. 302, **TWE**
- _____ MiniLAB: Comparing Common Traits, p. 302 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Visual Learning, pp. 303, 306, **TWE**
- _____ Make a Model, p. 304, **TWE**
- _____ Math Skills Activity, p. 305
- _____ Quick Demo, p. 305, **TWE**
- _____ Inclusion Strategies, p. 305, **TWE**
- _____ Activity: Predicting Results, p. 307 (Activity Worksheet, pp. 5–6, **CRB**)
- _____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 29–31, **CRB**)
- _____ Laboratory Activity 1, pp. 9–10, **CRB**
- _____ Laboratory Activity 2, pp. 11–12, **CRB**
- _____ Home and Community Involvement, p. 36, **TCR**
- _____ Spanish Resources, Section 1, **CRB**

Assess

- _____ Section Assessment, p. 306
- _____ Skill Builder Activities, p. 306
- _____ Performance Assessment in the Science Classroom, pp. 57, 89, 97, 109, **TCR**

Reteach/Reinforce

- _____ Directed Reading for Content Mastery, pp. 15, 16, **CRB**
- _____ Spanish Directed Reading for Content Mastery, pp. 19, 20, **CRB**
- _____ Reinforcement, p. 23, **CRB**
- _____ Mathematics Skill Activities, p. 23, **TCR**

Enrich/Apply

- _____ Enrichment, p. 26, **CRB**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 11
- _____ Guided Reading Audio Program (English & Spanish), Ch. 11
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com