

SECTION
1-2 Principles of Genetics

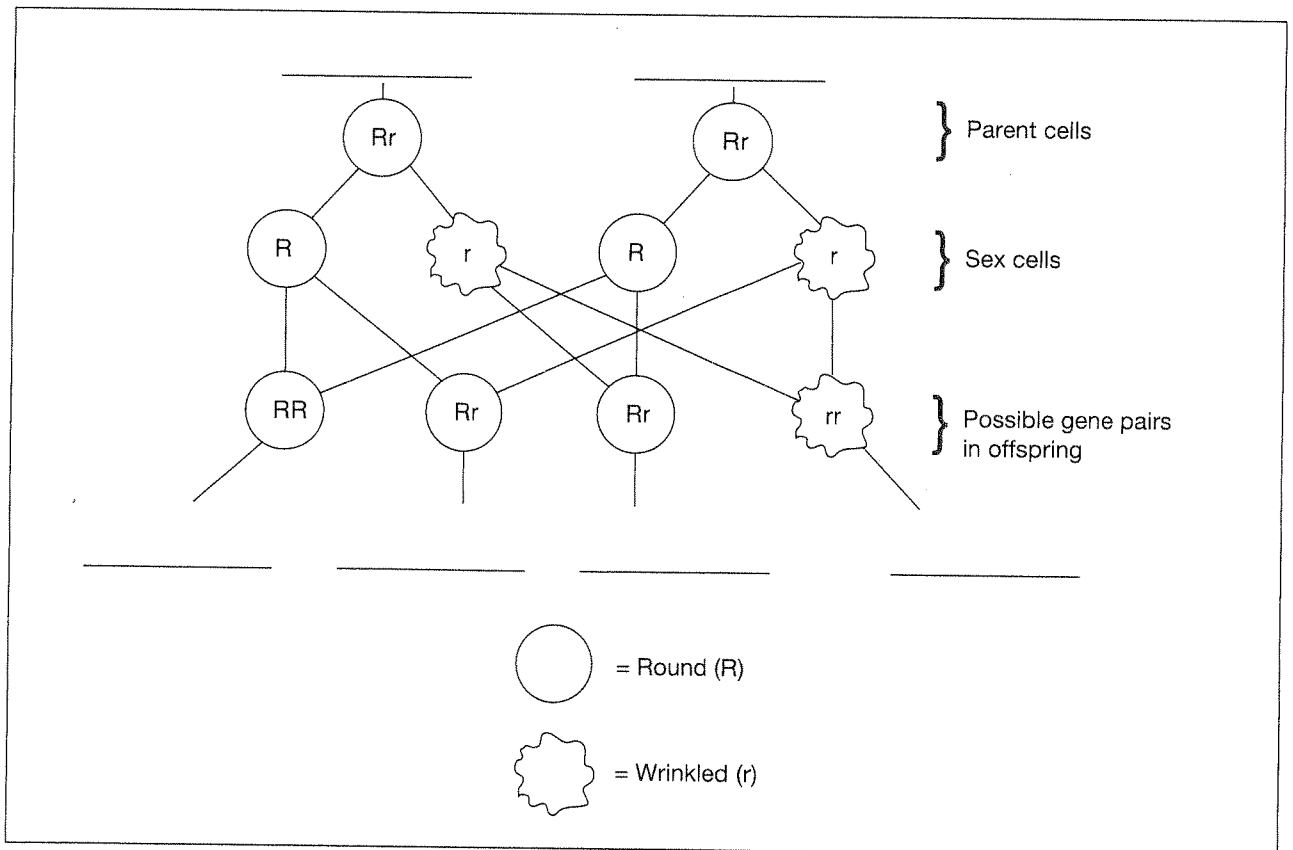
(pages 19–23)

KEY CONCEPTS

- ▲ Traits, or characteristics, are passed on from one generation of organisms to the next generation.
- ▲ The traits of an organism are controlled by genes.
- ▲ Organisms inherit genes in pairs, one gene from each parent.
- ▲ Some genes are dominant, whereas other genes are recessive.
- ▲ Dominant genes hide recessive genes when both are inherited by an organism.
- ▲ Some genes are neither dominant nor recessive. These genes show incomplete dominance.

Building Vocabulary Skills: Labeling Diagrams

After reading Section 1-2, you should be able to label the following diagram with the correct terms—**purebred** or **hybrid**. Be sure you can explain what each term means.



■ Reviewing Genetic Principles: Understanding the Main Ideas

Fill in the blanks with the words that best complete each statement of genetic principle.

1. Traits, or _____, are passed on from one generation of organisms to the next generation.
2. The traits of an organism are controlled by _____.
3. Organisms inherit genes in _____, one from each _____.
4. Some genes are _____, whereas other genes are _____.
5. _____ genes hide _____ genes when both are inherited by an organism.
6. Some genes are neither dominant nor recessive. These genes show _____.