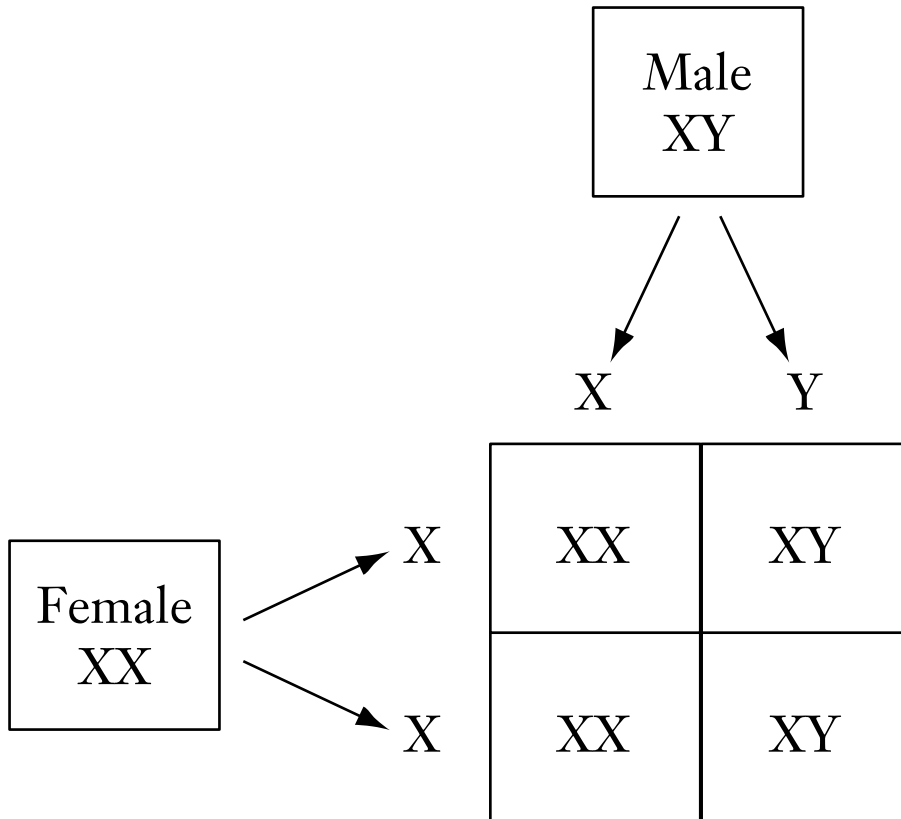


# CHAPTER 14 PATTERNS OF HEREDITY

## Section 14.1 When Heredity Follows Different Rules Study the Diagram

This diagram shows the mating of a human male (XY) and a human female (XX). Use the diagram to answer the questions.



1. What do the letters X and Y stand for? \_\_\_\_\_
2. Which chromosome is found only in the male? \_\_\_\_\_
3. **True or false?** A person having two X chromosomes is female. \_\_\_\_\_
4. In the mating shown in the diagram, which statement is **true**? Circle the letter.
  - a. All the offspring are female.
  - b. All the offspring are male.
  - c. One half the offspring are male.
  - d. Three of the four offspring are female.