

CHAPTER 2
REINFORCEMENT

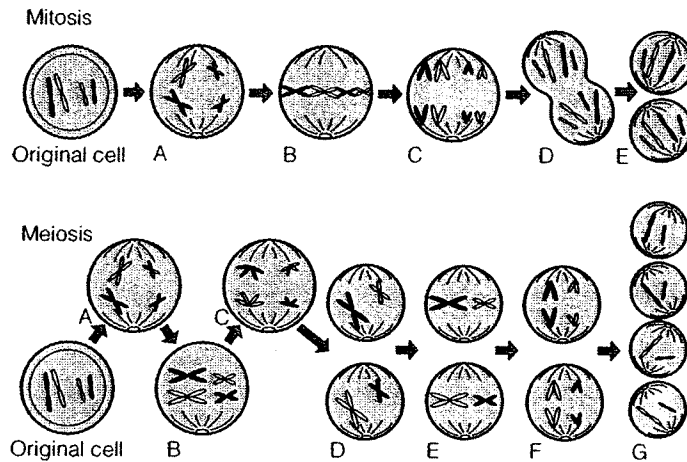
BLM 2-14

Compare Mitosis and Meiosis

Goal • Compare the steps of mitosis and meiosis.

What to Do

Write your answers to the following questions in the spaces provided.



Matching

Match each of the following descriptions with the corresponding event depicted in the above diagram. Write the correct letter in each blank.

- _____ 1. Chromatids are still joined in meiosis, but not in mitosis.
- _____ 2. Chromatids separate.
- _____ 3. Chromosomes double in both mitosis and meiosis.
- _____ 4. Mitosis is complete, but another division is about to take place in meiosis. The chromosomes line up along the centre of the cell.
- _____ 5. In meiosis, the chromosomes separate but chromatids remain joined. In mitosis, chromatids separate.
- _____ 6. Chromosomes line up in pairs in meiosis, but not in mitosis.
- _____ 7. End products of meiosis.

Short Answers

8. Explain the terms "haploid" and "diploid."

9. Use the terms from questions 8 to compare the end products of meiosis with the end products of mitosis. How do they differ?

10. Compared to mitosis, how many times does a cell divide in meiosis?
