

Content Vocabulary

LESSON 1

The Cell Cycle and Cell Division

Directions: On each line, write the term from the word bank that correctly replaces the underlined words in each sentence. NOTE: You may need to change a term to its plural form.

cell cycle
eukaryotic

centromere
interphase

cytokinesis
mitosis

daughter cells
sister chromatids

- _____ 1. At the end of the cell cycle, the division of the cell's nucleus occurs.

- _____ 2. Until the sister chromatids in each duplicated chromosome separate during mitosis, they are held together by a special structure.

- _____ 3. A chromosome is made up of two identical coiled strands of DNA.

- _____ 4. Following mitosis, the division of the cell's cytoplasm occurs.

- _____ 5. Most cells go through a cyclical process of growth, development, and division.

- _____ 6. The cell cycle can be divided into two main phases—a period of growth and development and the mitotic phase.

- _____ 7. Mitosis and cytokinesis result in the formation of two identical new cells.

- _____ 8. For some cells, identified as those with membrane-bound structures, the cell cycle might take as long as one year.