

**Cell Processes and Energy** ▪ *Review and Reinforce*

# Cell Division

## Understanding Main Ideas

Fill in the blanks in the table below. Then answer the questions that follow in the spaces provided.

### Phases of Mitosis

Phase	Event
Prophase	1. _____
2. _____	Chromosomes attach to spindle fibers.
Anaphase	3. _____
4. _____	New nuclear envelope forms.

5. Which stage of the cell cycle usually lasts longest?  
\_\_\_\_\_
6. During which stage of the cell cycle does DNA replication occur?  
\_\_\_\_\_
7. During which stage of the cell cycle does the cell membrane pinch the cell in two?  
\_\_\_\_\_

## Building Vocabulary

Match each term with its definition by writing the correct letter in the blank.

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|--|--|
| <p>_____ 8. Regular sequence of growth and division that cells undergo</p> <p>_____ 9. First stage of the cell cycle</p> <p>_____ 10. Process in which DNA is copied</p> <p>_____ 11. Stage of the cell cycle during which the cell's nucleus divides</p> <p>_____ 12. Doubled rod of condensed chromatin</p> <p>_____ 13. Final stage of the cell cycle</p> | <p>a. interphase</p> <p>b. mitosis</p> <p>c. cell cycle</p> <p>d. cytokinesis</p> <p>e. replication</p> <p>f. chromosome</p> |
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