

Cell Processes and Energy ▪ 4.3 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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|---|----------------|
| _____ 8. Regular sequence of growth and division that cells undergo | a. interphase |
| _____ 9. First stage of the cell cycle | b. mitosis |
| _____ 10. Process in which DNA is copied | c. cell cycle |
| _____ 11. Stage of the cell cycle during which the cell's nucleus divides | d. cytokinesis |
| _____ 12. Doubled rod of condensed chromatin | e. replication |
| _____ 13. Final stage of the cell cycle | f. chromosome |