

## Assessment

**Quiz****Section: Mitosis**

In the space provided, write the letter of the description that best matches each term.

- |                      |  |
|----------------------|--|
| _____ 1. cytokinesis | a. microtubule network that pulls chromatids in a dividing cell                                |
| _____ 2. cell cycle  | b. the process by which the nucleus of a cell becomes two nuclei                               |
| _____ 3. centrosome  | c. major portion of the cell's life  |
| _____ 4. interphase  | d. the process by which cytoplasm is divided between daughter cells                            |
| _____ 5. mitosis     | e. a repeating sequence of cellular growth and division  |
| _____ 6. spindle     | f. an organelle that helps assemble the spindle and aids chromatid movement in a dividing cell |

In the space provided, write the letter of the term or phrase that best completes each statement or best answers each question.

- \_\_\_\_\_ 7. Which of these events does *not* occur during interphase?
- The cell grows.
  - The cell prepares for cell division.
  - DNA in each chromosome is copied.
  - The cytoplasm is divided.
- \_\_\_\_\_ 8. Mitosis occurs
- immediately after the synthesis phase of interphase.
  - before the second gap phase of interphase.
  - after the second gap phase of interphase.
  - after cytokinesis.
- \_\_\_\_\_ 9. What is the first stage of mitosis?
- |               |              |
|---------------|--------------|
| a. interphase | c. prophase  |
| b. metaphase  | d. telophase |
- \_\_\_\_\_ 10. During which stage of mitosis do nuclear envelopes form?
- |              |              |
|--------------|--------------|
| a. prophase  | c. metaphase |
| b. telophase | d. anaphase  |