

Assessment

Quiz**Section: Regulation**

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

- _____ 1. cancer a. a group of diseases caused by uncontrolled cell growth
- _____ 2. tumor b. a mass of cells that grow very fast and that lack a function

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

- _____ 3. What causes healthy cells in a dish to stop dividing?
- a. contact with other cells c. Both (a) and (b)
- b. contact with the side of the dish d. Neither (a) nor (b)
- _____ 4. Which are *not* types of signals cells use to regulate cell growth?
- a. protein signals from within the cell
- b. carbohydrate signals from within the cell
- c. protein signals from nearby cells
- d. signals related to the environment around the cell
- _____ 5. What is a checkpoint in the cell cycle?
- a. a feedback signal that can trigger or delay the cell cycle
- b. a feedback signal that is sent to surrounding cells
- c. an environmental signal that is sent to surrounding cells
- d. an environmental signal that relates to cells growing in dishes
- _____ 6. Which of these is *not* a main checkpoint in the cell cycle?
- a. G₁ checkpoint
- b. G₂ checkpoint
- c. mitosis checkpoint
- d. cytokinesis checkpoint
- _____ 7. When does the cell check for any mistakes in the copied DNA?
- a. G₁ checkpoint
- b. G₂ checkpoint
- c. mitosis checkpoint
- d. cytokinesis checkpoint
- _____ 8. Which kind of tumor has cells that spread to other parts of the body?
- a. malignant tumor c. Both (a) and (b)
- b. benign tumor d. Neither (a) nor (b)