

Cell Biology

Name:

Cell Cycle Practice Questions

Period:

Try these practice questions by first using just your brain. Then make sure you got the answers right by checking in Chapter 5, Section 2.

Match the correct definition with the correct term. Write the letter in the space provided.

- _____ 1. the process of cell division that forms two nuclei a. daughter cells
- _____ 2. the life stages of a cell b. cytokinesis
- _____ 3. the genetic material of living organisms c. chromosomes
- _____ 4. the structures in which DNA can be found d. cell cycle
- _____ 5. the division of cytoplasm e. mitosis
- _____ 6. a kind of skin cancer f. DNA
- _____ 7. cells created by mitosis g. melanoma
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- _____ 8. Cells need to produce new cells in order to
- a. create new chromosomes. c. obtain energy from sunlight.
- b. replace cells that have died. d. release energy from food.
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- _____ 9. During cytokinesis in plant cells,
- a. a cell plate forms inside the two new cells. c. a cell plate forms, and the cell splits in two.
- b. the cell loses some of its DNA. d. the cell wall breaks.
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- _____ 10. Which of the following types of cells have uncontrolled growth?
- a. prokaryotic cells b. cancer cells c. eukaryotic cells d. organelles
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- _____ 11. What must a cell do before it divides?
- a. copy its DNA c. form daughter cells
- b. complete binary fission d. ignore its feedback switches that control cell division
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12. How many chromosomes do humans have? _____
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13. How many sets (pairs) of chromosomes do humans have? _____
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- _____ 14. Which of the following is not a reason that cells go through mitosis?
- a. to help the organism grow larger
- b. to replace damaged cells
- c. to replace dead cells
- d. to create energy