

QUESTION

Over the cell cycle, which of the following is true?

- A. The amount of DNA in the cell doubles.
- B. The amount of DNA in the cell halves.
- C. The amount of DNA in the cell remains the same.
- D. The amount of DNA in the cell increases.

ANSWER

- A. The amount of DNA in the cell doubles.
- B. The amount of DNA in the cell halves.
- C. The amount of DNA in the cell remains the same.
- D. The amount of DNA in the cell increases.

EXPLANATION: During the cell cycle, the amount of DNA in the cell doubles. This is because the DNA is replicated during the S phase of the cell cycle.

QUESTION

Which of the following is NOT a function of the cell cycle?

- A. Growth of the organism.
- B. Repair of damaged tissue.
- C. Replacement of worn-out cells.
- D. Production of new cells.

ANSWER

- A. Growth of the organism.
- B. Repair of damaged tissue.
- C. Replacement of worn-out cells.
- D. Production of new cells.