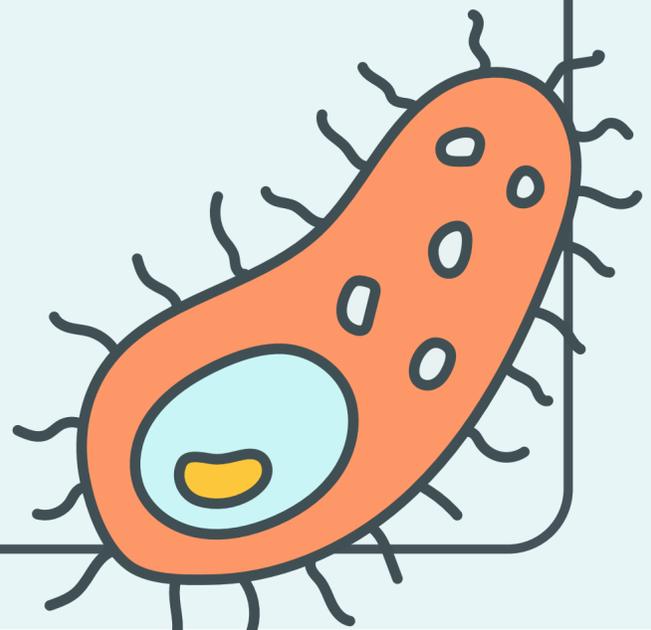
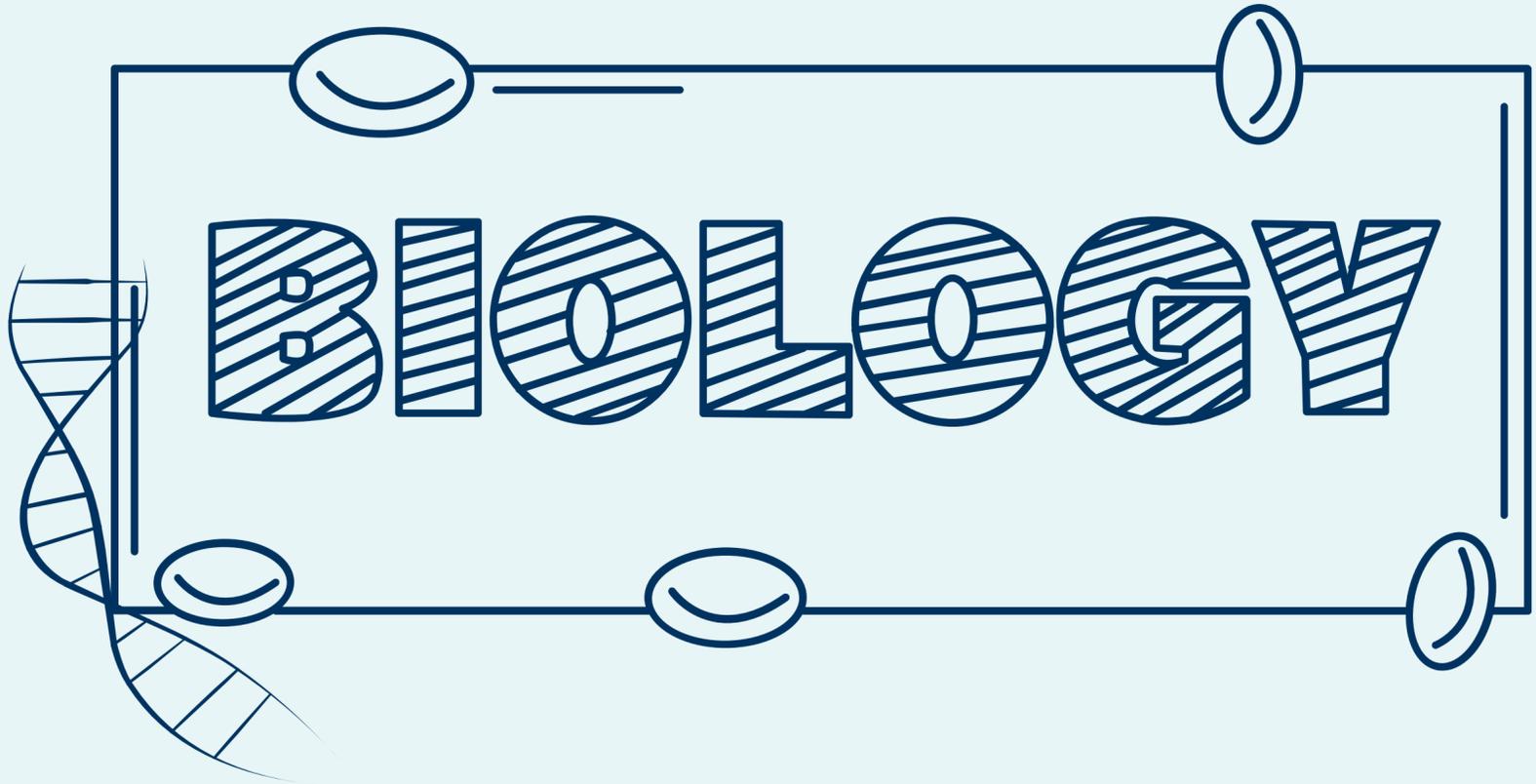


Quiz time

Lec 12



Which of the following occurs during the G1 (Gap 1) phase of the cell cycle?

- A. DNA replication begins
- B. Chromosomes separate into daughter chromatids
- C. The cell synthesizes RNA and proteins and restores its normal size
- D. The nuclear envelope breaks down

Answer: C

Which of the following occurs during the G2 phase of the cell cycle?

- A. DNA replication begins
- B. The cell synthesizes tubulin and proteins needed for mitosis
- C. Chromosomes separate into sister chromatids
- D. The nuclear envelope disappears

Answer: B

Which of the following is TRUE regarding the G1 phase?

- A. It is the period between end of division and the start of S-phase.
- B. The amount of DNA is duplicated.
- C. The centrioles are duplicated.
- D. Formation of microtubules for mitotic spindle occurs.

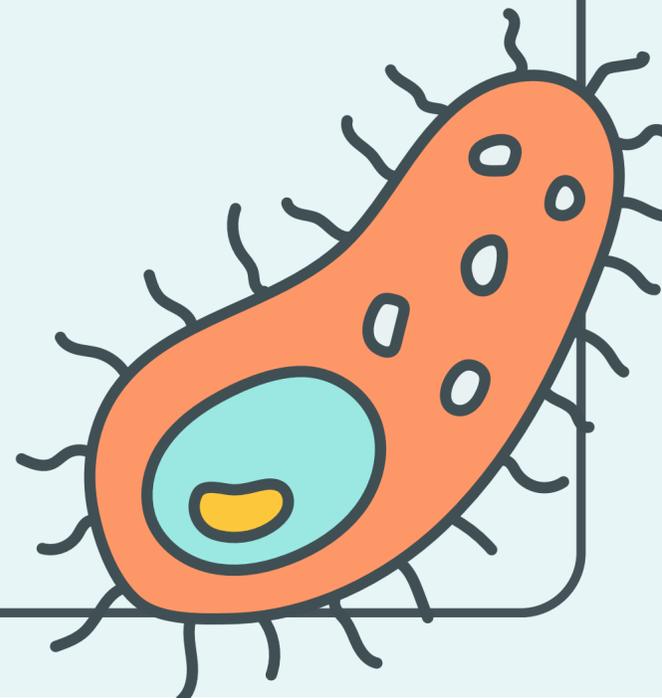
Answer: A

Which of the following best describes chromosomes during the S-phase?

- A. The nucleus contains 46 single chromosomes, each with one DNA molecule.
- B. Chromosomes are duplicated, forming 46 D-chromosomes, each made of two sister chromatids.
- C. Chromosomes are separated into daughter cells.
- D. DNA content decreases as replication ends.

Answer: B

“أَتَعِبَ قَدَمَاكَ فَإِن تَعِبَا قَدَمَاكَ”



What is the correct term for the division of nuclear material during the cell cycle?

- A.Cytokinesis
- B.Karyokinesis
- C.Apoptosis
- D.Necrosis

Answer:B

