

CELL CYCLE AND CELL DIVISION

DPP-1

- and are characteristic of organisms
 - Growth and reproduction
 - Growth and senescence
 - Reproduction and senescence
 - All of the above
- All sexually reproducing organisms start their life from
 - Gametes
 - Zygote
 - Embryo
 - Endosperm
- Cell growth with respect to cytoplasm is
 - Continuous
 - Discontinuous
 - Increase in cellular components
 - More than one is true
- Sequence of events from one cell division to next is
 - Cell multiplication
 - Cell reproduction
 - Apoptosis
 - Cell cycle
- Cell cycle is
 - Reversible
 - Independent of energy
 - Genetically controlled
 - All of the above
- Duration of cell cycle is
 - Same for all organisms
 - Same for all cells of an organism
 - Cell specific
 - All of the above
- For a human cell in culture, the duration of cell cycle is
 - Mostly consumed by M phase
 - 95% duration of cell cycle is taken by most dramatic phase of cell cycle
 - 5% duration of cell cycle is taken by interphase
 - None
- Which of the following is also known as resting phase?
 - M phase
 - Interphase
 - Most dramatic phase
 - More than one is true
- Which of the following is the longest phase of cell cycle?

A. G1	B. G2
C. S	D. M
- In which phase of cell cycle most of the organelles increase in their number?

A. G1	B. G2
C. S	D. M
- In which phase of cell cycle histones are synthesized?

A. S	B. G2
C. G1	D. M
- In which phase of cell cycle semi-autonomous organelles duplicate?

A. M	B. G1
C. G2	D. S
- What is the duration of cell cycle for yeast cells?

A. 10 min	B. 20 mins
C. 90 mins	D. 24 hours
- Which of the following is most variable phase of cell cycle?

A. G2	B. G1
C. S	D. M
- Which of the following is known as quiescent phase?

A. G1	B. S
C. G2	D. G0

ANSWERS KEY

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|--------|---------|
| 1. (A) | 9. (A) |
| 2. (B) | 10. (A) |
| 3. (D) | 11. (A) |
| 4. (D) | 12. (C) |
| 5. (C) | 13. (C) |
| 6. (C) | 14. (B) |
| 7. (D) | 15. (D) |
| 8. (B) | |



Note - If you have any query/issue



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