

# CELL CYCLE AND CELL DIVISION

DPP-3

- Which of the following is the longest phase of karyokinesis in mitosis?  
A. Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- Which of the following is the shortest phase of entire cell cycle?  
A. Metaphase      B. Anaphase  
C. Telophase      D. Interphase
- Animal cell division is  
A. Amphiastral  
B. Anastral  
C. Can be A or B  
D. Single aster is involved
- In which phase of cell cycle chromatin starts to get condensed?  
A. Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- In which phase of karyokinesis ER, nucleolus disappear completely?  
A. Late Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- Equatorial plate is formed in  
A. Prophase  
B. Transition to Metaphase  
C. Anaphase  
D. Metaphase
- Complete disappearance of nuclear membrane marks the beginning of  
A. Metaphase      B. Anaphase  
C. Telophase      D. Prophase
- The best phase to study chromosomes is  
A. Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- The shape of chromosomes can be observed in  
A. Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- By which phase of cell cycle condensation of chromosomes gets completed?  
A. late Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- In which phase of karyokinesis the sister chromatids separate?  
A. Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- In S phase and G<sub>2</sub> phase new DNA molecules formed are  
A. Distinct      B. Not distinct  
C. Intertwined      D. More than one
- In which phase of mitosis nucleolus reappear?  
A. Prophase      B. Metaphase  
C. Anaphase      D. Telophase
- In plants mitocytes can be  
A. haploid  
B. Diploid  
C. Can be A or B  
D. Always polyploidy
- Which cell division is called equational division?  
A. Mitosis  
B. Reductional division  
C. Somatic division  
D. More than one

## ANSWERS KEY

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



**\*Note\*** - If you have any query/issue



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