

India's Number 1 Education App

BIOLOGY

NCERT - FULL MARKS BIOLOGY(TAMIL)

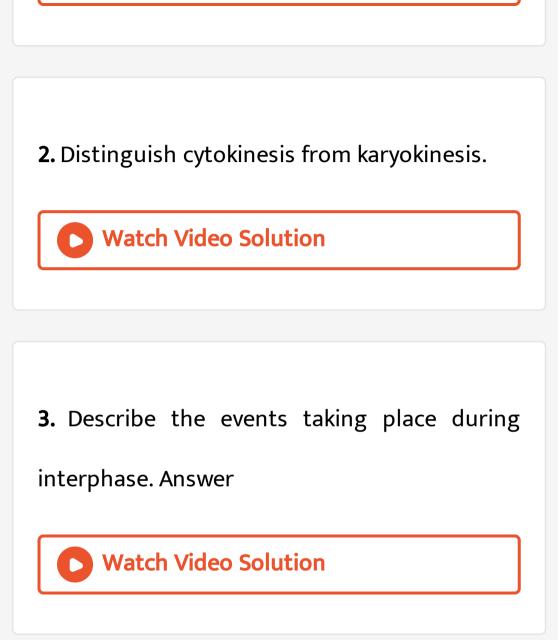
CELL CYCLE AND CELL DIVISION



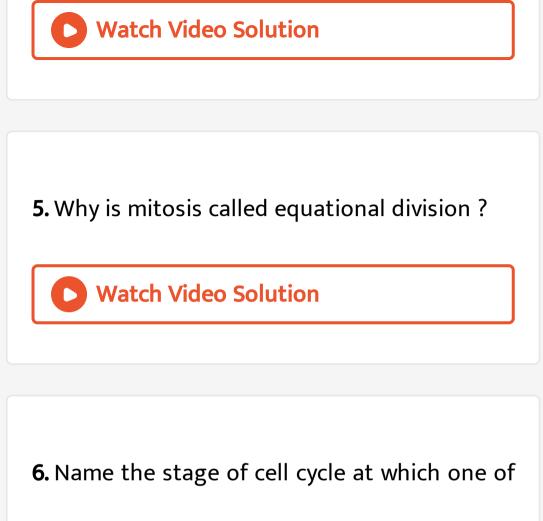
1. What is the average cell cycle span for a

mammalian cell?





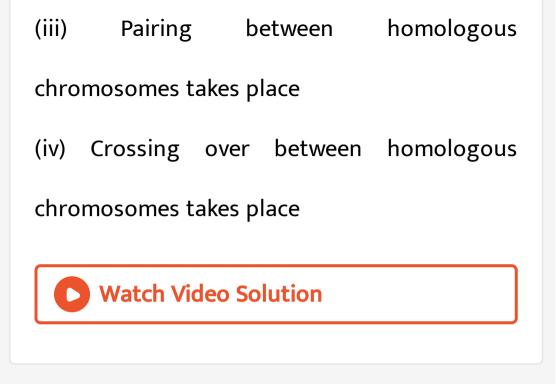
4. What is G_0 (quiescent phase) of cell cycle?



the following events occur:

(i) Chromosomes are moved to spindle equator

(ii) Centromere splits and chromatids separate



7. Describe the following: (a) synapsis (b)

bivalent (c) chiasmata

Draw a diagram to illustrate your answer.

Watch Video Solution

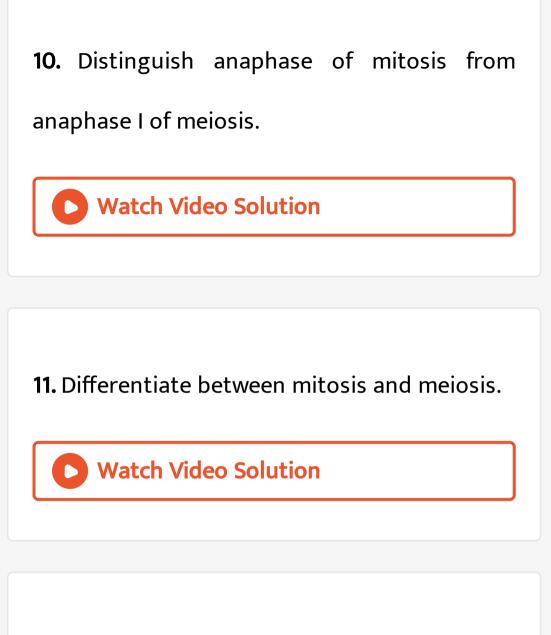
8. How does cytokinesis in plant cells differ from that in animal cells?
Watch Video Solution

9. Find examples where the four daughter cells

from meiosis are equal in size and where they

are found unequal in size.

Watch Video Solution



12. What is the significance of meiosis?

Watch Video Solution

- **13.** Discuss with your teacher about
- (i) haploid insects and lower plants where cell-

division occurs, and

(ii) some haploid cells in higher plants where

cell-division does not occur.



14. Can there be mitosis without DNA replication in S phase?





15. Can there be DNA replication without cell

division?



16. Analyse the events during every stage of cell cycle and notice how the following two parameters change(i) Number of chromosomes (N) per cell(ii) Amount of DNA content (C) per cell Answer

