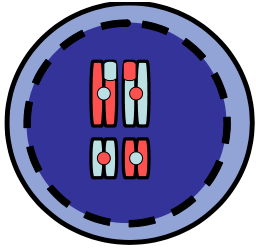
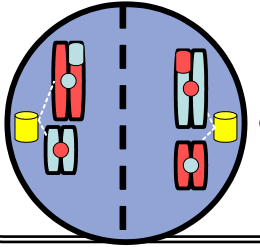


# The process of meiosis



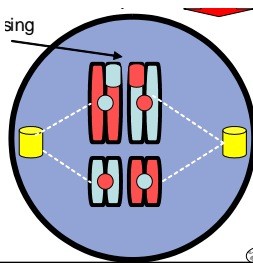
Nuclear membrane disappears. Chromosomes line up randomly in homologous pairs



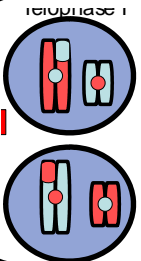
Chromosomes pulled apart to either end of the cell ( $46 \rightarrow 23$ )



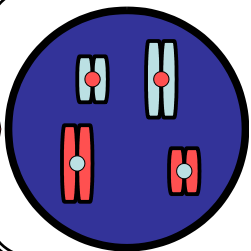
DNA replicates into two strands while still unwound



Centrosomes attach spindle fibres to chromosomes



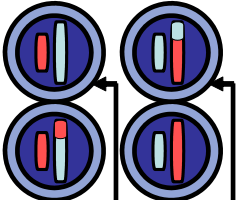
Cell split into 2 by cytokinesis. Each cell has 23 double chromosomes



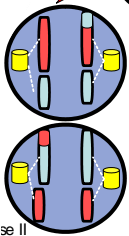
DNA coil into chromosomes with 2 chromatids attached with a centromere

# The process of meiosis

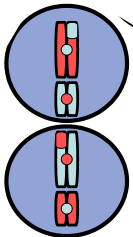
Four gametes produced



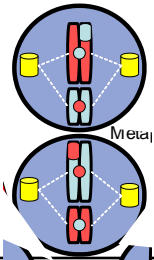
Nuclear membrane reforms. Male or female Gametes have formed



Chromosomes pulled apart to either end of the cell (each has 23 single)

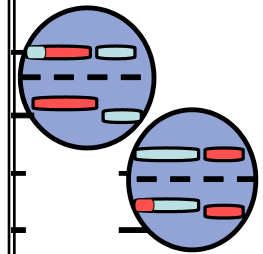


Chromosomes line up singly along the middle

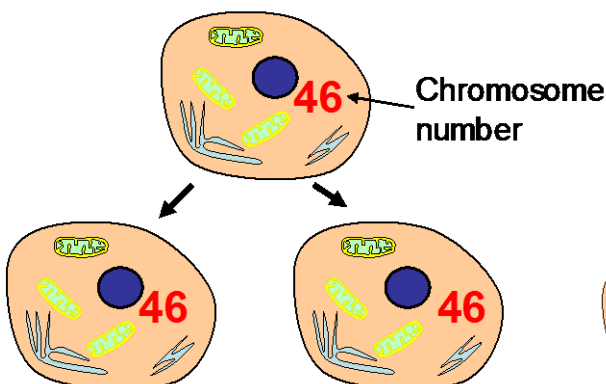


Centrosomes attach spindle fibres to chromatids of each chromosome

Cell split into 2 by cytokinesis. Each cell has 23 single chromosomes



mitosis



meiosis

