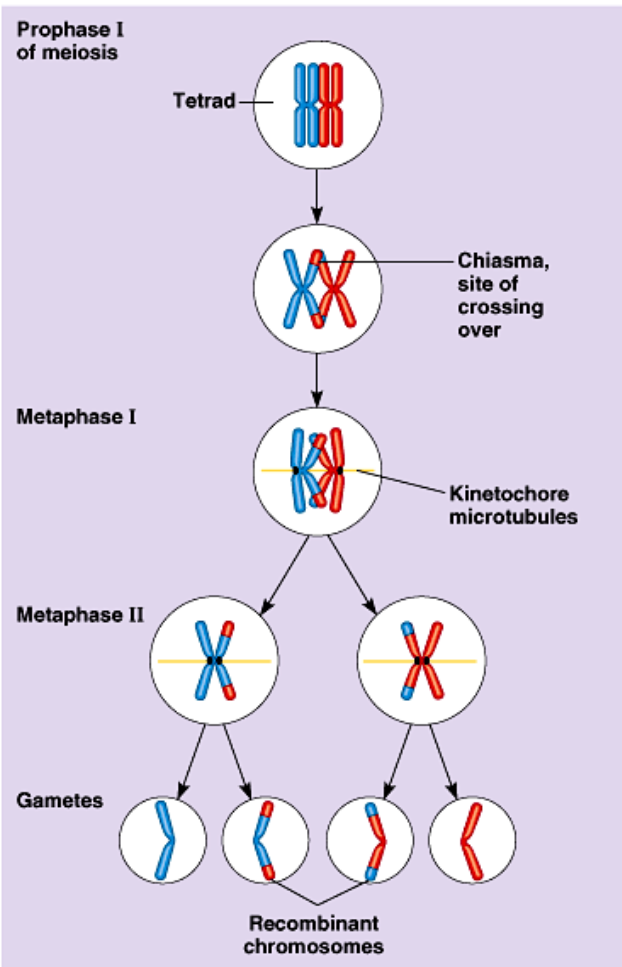
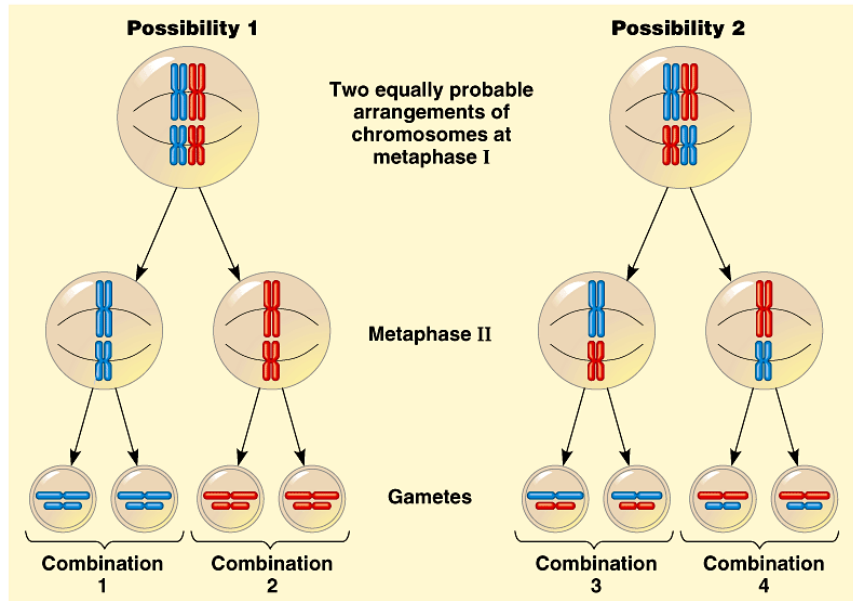
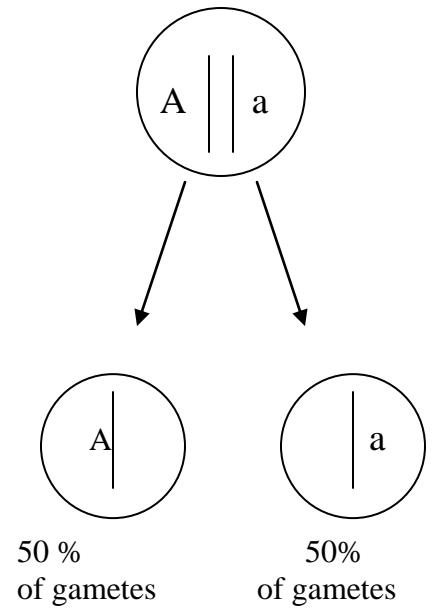


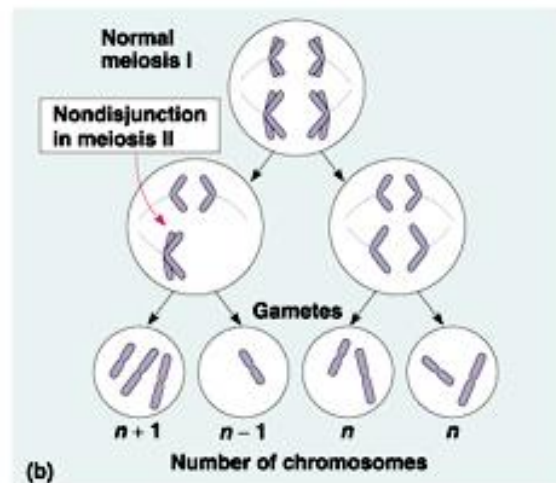
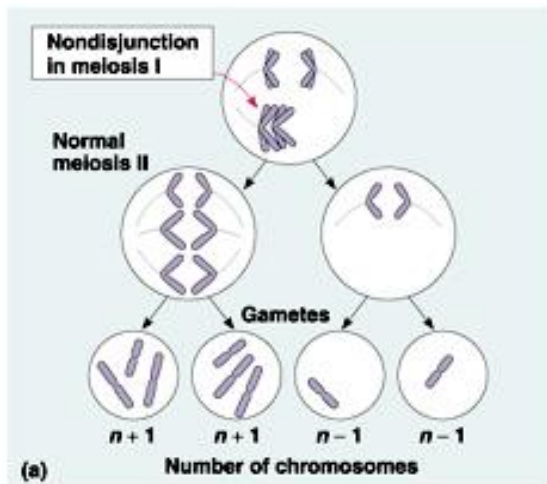
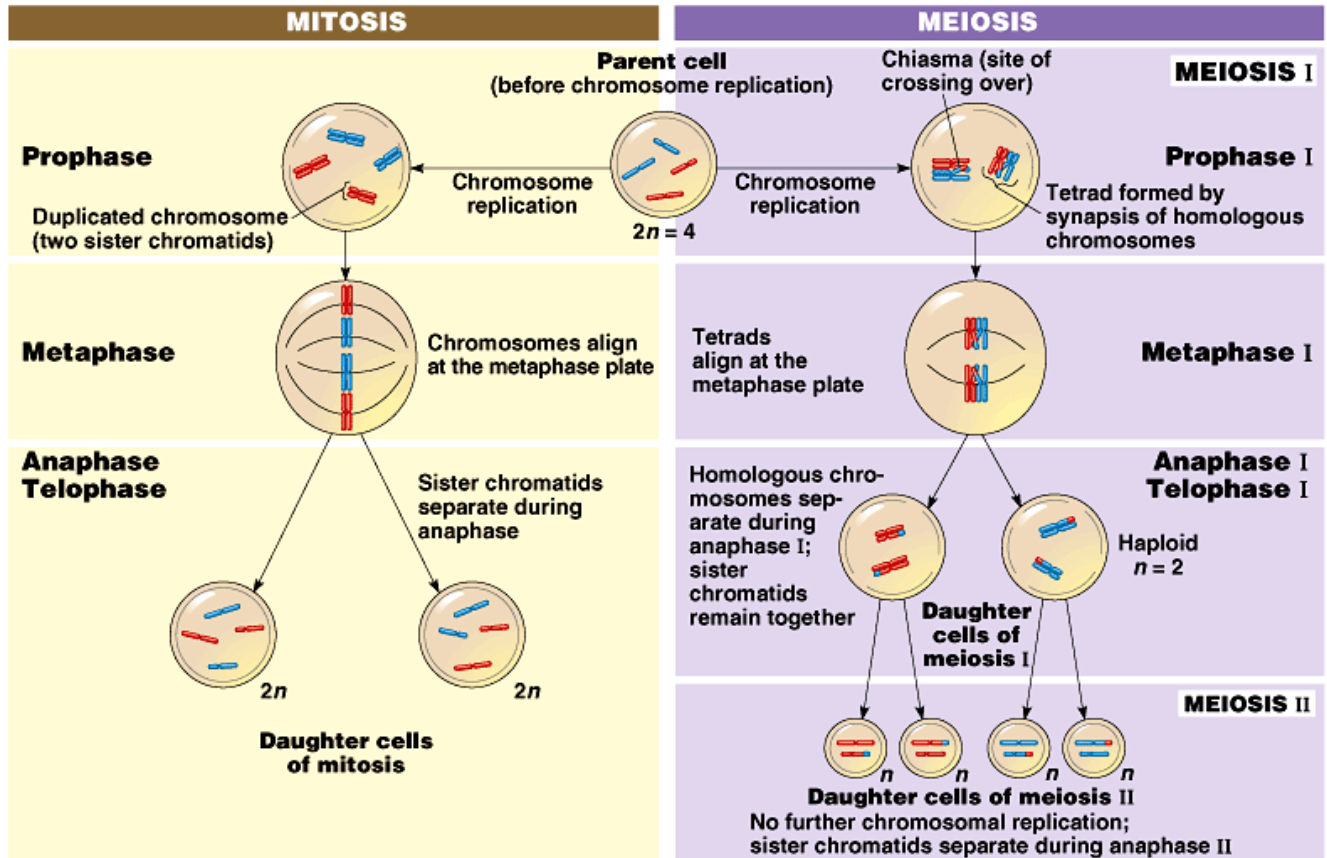
Law of Independent Assortment



Law of Segregation



**Recombinant chromosome** – contains genes from both parents (new combination = unique new chromosome)



Fertilization after non-disjunction leads to condition of **aneuploidy** (abnormal chromosome number)

Monosmy – single chromosome of a pair ( $2n-1$ )

Trisomy – three chromosomes of a pair ( $2n+1$ )