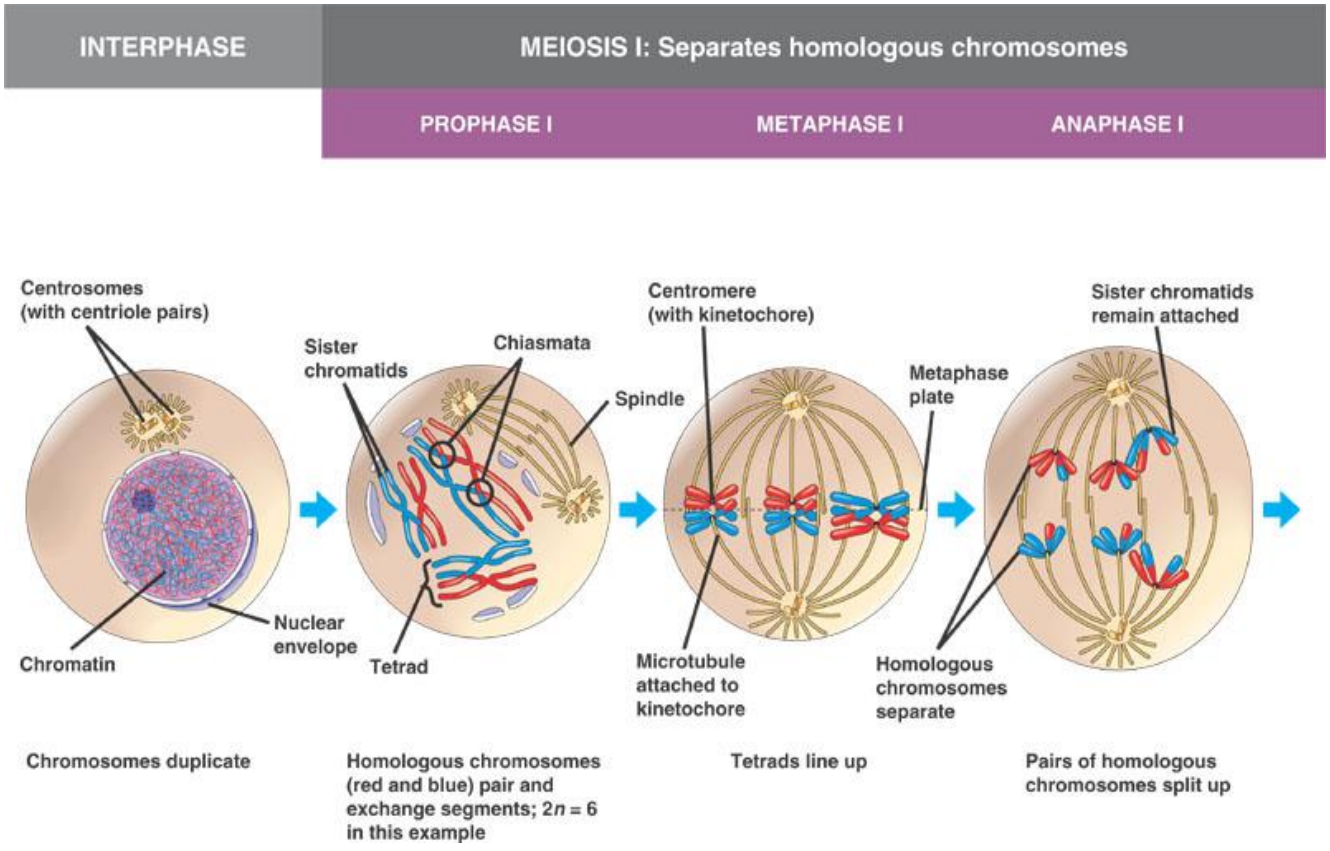
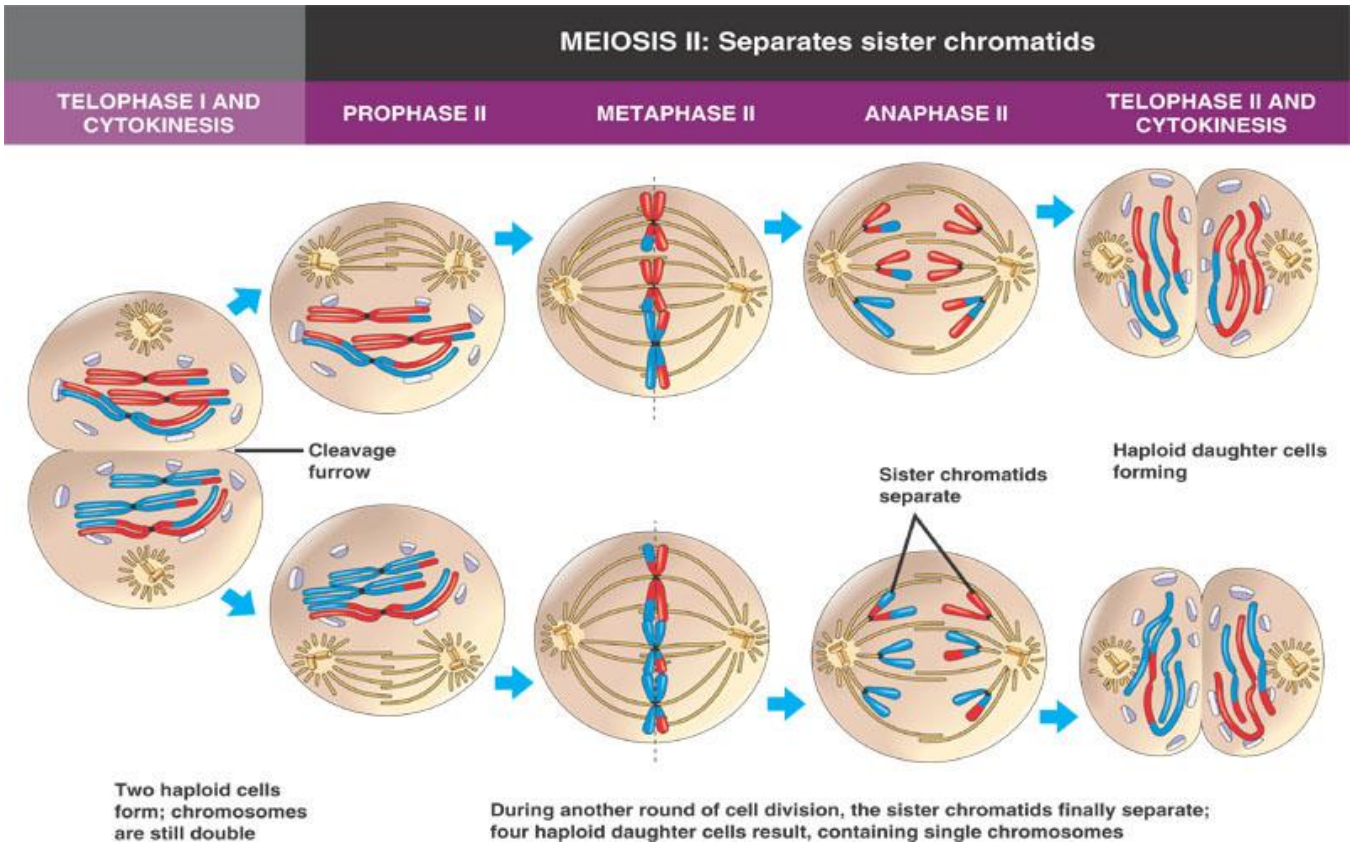
CELL DIVISION II.: MEIOSIS

With meiotic cell division (meiosis) haploid (n) gametes (egg, sperm) are produced from the germ cell line that is originally diploid (2n).

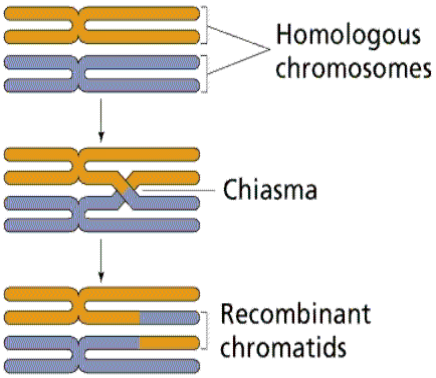
Meiosis consists of 2 main phases:

- Meiosis I and meiosis II.



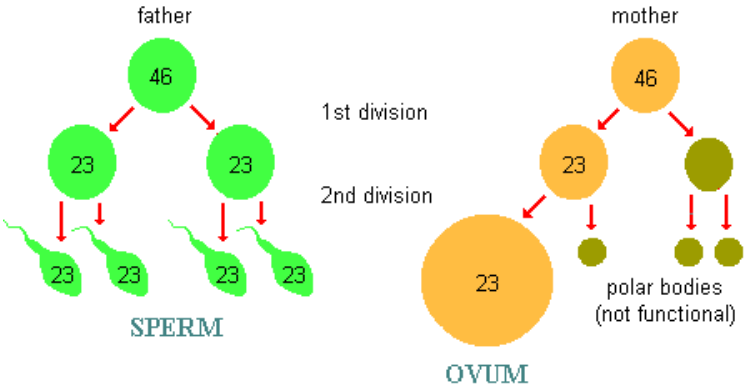


HOMOLOGOUS RECOMBINATION



In the first prophase, homologous chromosomes (members of the chromosome pair) are binding to each other firmly, and some parts containing the same genes are exchanged.
This is called **crossing over** or **homologous recombination**

GAMETOGENESIS



OOGENESIS