- Interphase
 - Carry out normal cell processes
 - Replicate DNA
 - Make proteins
- Prophase I
 - Replicated chromosomes become visible
 - Homologous chromosomes condense
 - **Synapsis** form chromosome pairs (tetrad)
 - <u>crossing over</u> segments of chromosomes are exchanged between homologous chromosomes



tetrad

Metaphase I

- Homologous chromosomes line up at the middle of the cell
- Spindles attach to the centromere of each chromosome
- Lined up as PAIRS, not in one line like mitosis



Anaphase I

- Homologous chromosomes separate
- Each one moves towards the poles using spindle fibers
- Chromosome number reduces from 2n to n when they separate
- Still consists of sister chromatids,



Telophase I

- Chromosomes made of sister chromatids reach the poles
- Each pole has one member of original pair
- Still consists of sister chromatids joined at a centromere
- Sister chromatids might not be identical due to crossing over
- Cytokinesis occurs pinching the cells in two
- Cells now can enter Meiosis II

