

~~Kelsey Richter~~ Tracy Wilson: Andrew Fagle 3/14/17
End Wednesday → 7823

Meiosis Notes 3/21/17

Interphase: very similar to mitosis. G_1 , S , G_2 phase (growth period, replicates DNA, check over chromosomes for errors, & replicates organelles).

(92) chromatids Prophase I: DNA or chromatids thicken into chromosomes; Homologous chromosomes pair up forming a tetrad = (which is 4 chromatids together). The homologous chromosomes start crossing over, exchange of genetic material to make new versions of genes.

metaphase I = paired homologous chromosomes line up in the middle of the cell. Spindle fibers attach at the centromere.

anaphase I = cell is elongated (like an egg) spindle fibers pull each homologous chromosome towards opposite poles.

telephase I - the cell starts to pinch off and the nuclei in the two cells reforms, 2 daughter cells are made - both still diploid (46 chromatids)

Cytokinesis = the first cytoplasmic division yield 2 daughter cells each with 46 chromosomes