Answer these questions:

Define the term homologous chromosomes and identify the chromatids.

Differentiate between haploid and diploid cells.

Summarize the steps of mitosis.

Nov 27 - 1:47 PM

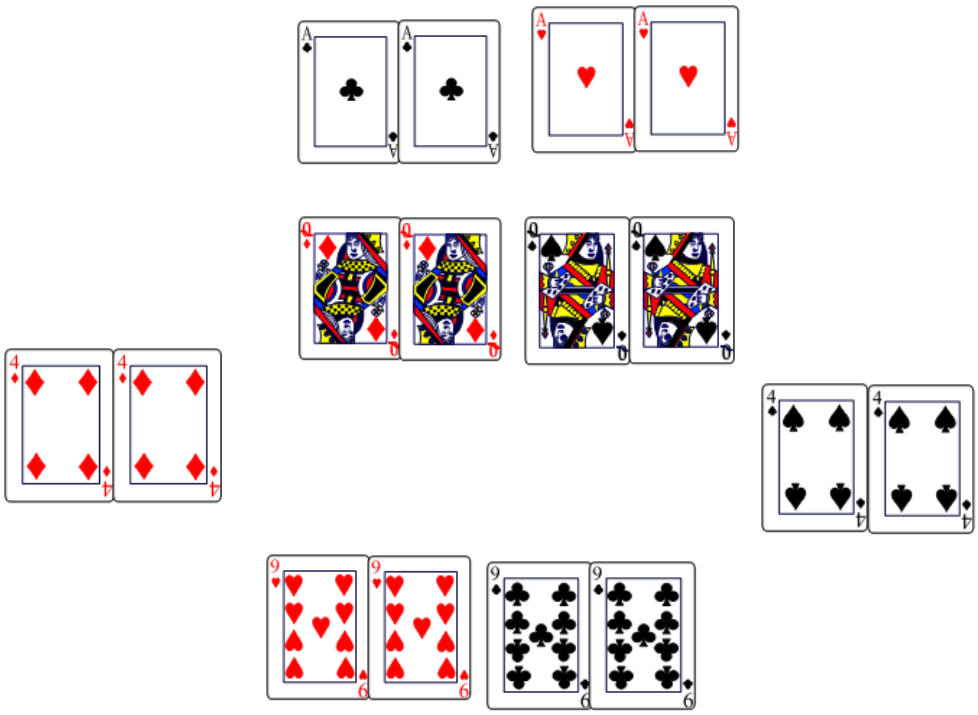
Choose one of the following organisms and calculate the chromosome number if cells were always haploid after 5 generations.

Mosquito	6
Corn	20
Human	46
Horse	64

12-24-48-96

92-184

Nov 27 - 1:44 PM



Nov 28 - 8:26 AM

Meiosis- a form of cell division that halves the number of chromosomes when forming specialized reproductive cells such as gametes (sperm + egg)

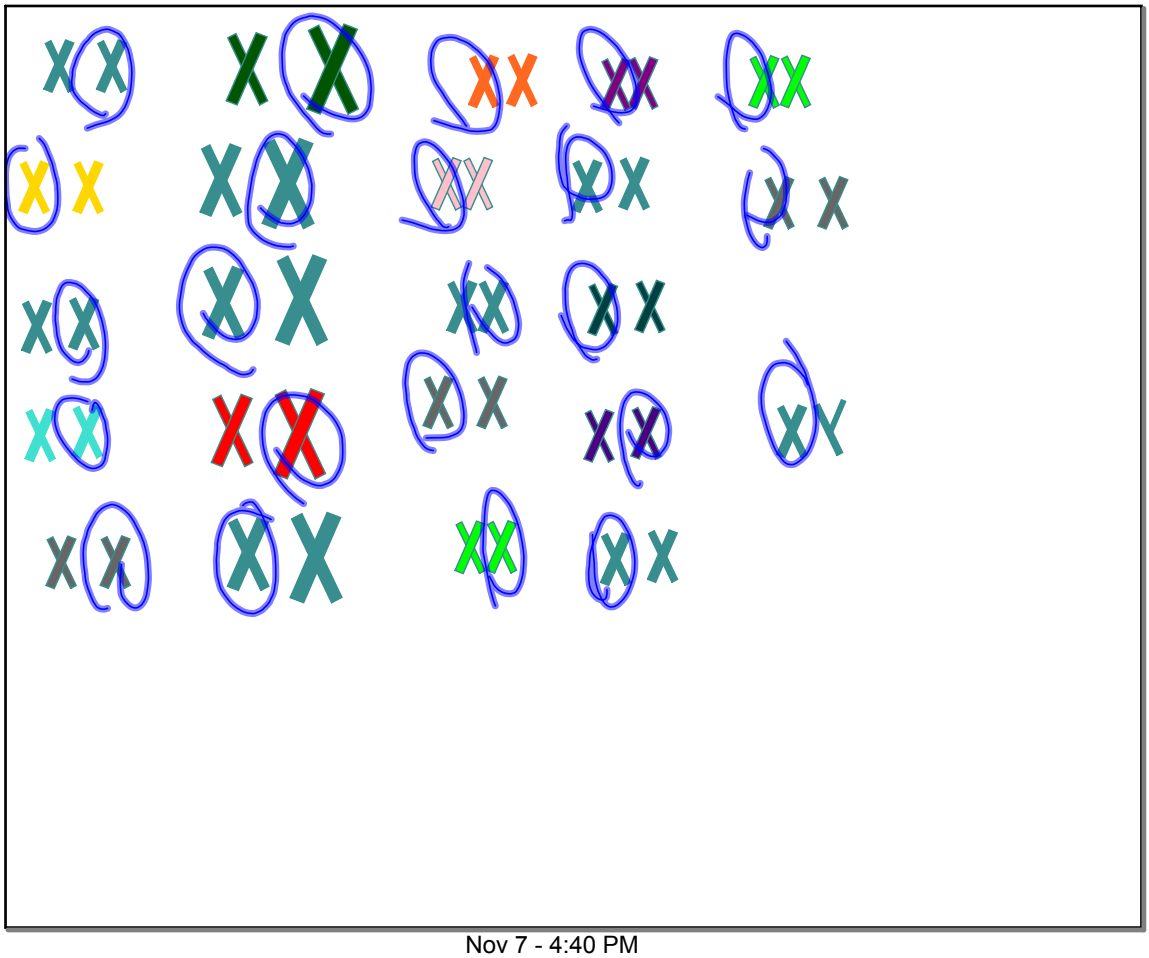
Nov 27 - 2:14 PM

Before meiosis like in mitosis the DNA replicates during Interphase

Nov 27 - 2:15 PM

Independent assortment- random distribution of homologous chromosomes during meiosis

Nov 27 - 2:20 PM



Nov 7 - 4:40 PM

This means that 23 pairs of Chromosomes can be combined in 2^23 combinations

Nov 27 - 2:22 PM

Crossing-over

Nov 7 - 4:26 PM

Why is variation important?

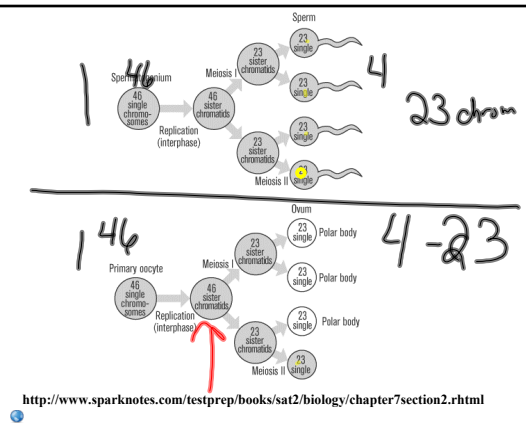
- so we don't all look alike
- boring

Nov 28 - 8:33 AM

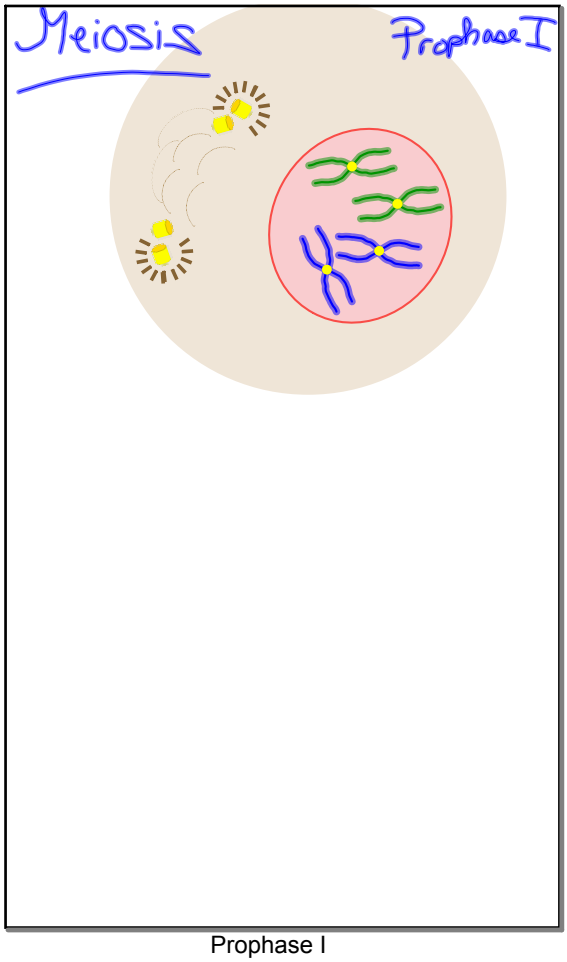
Gametogenesis-

Creation of gametes

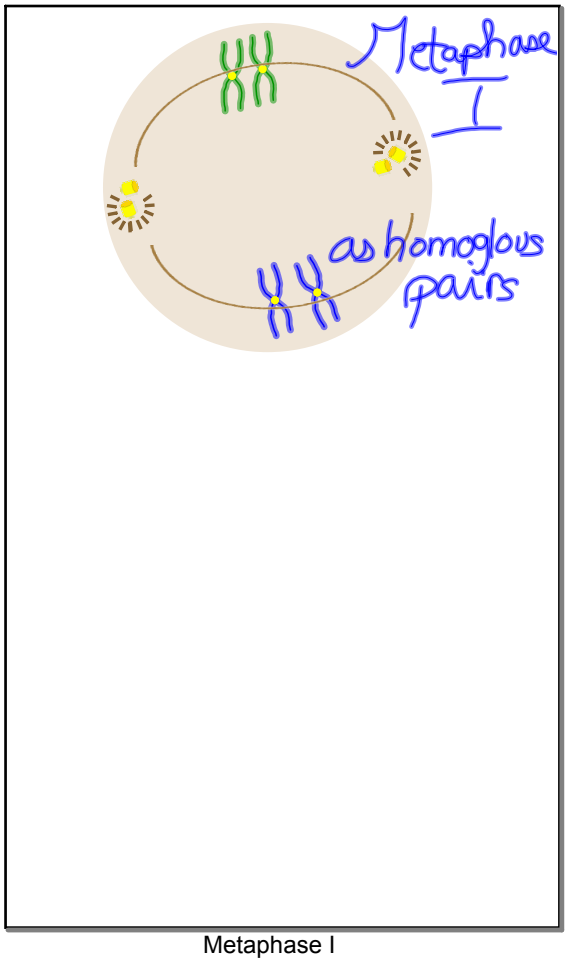
Nov 28 - 8:34 AM



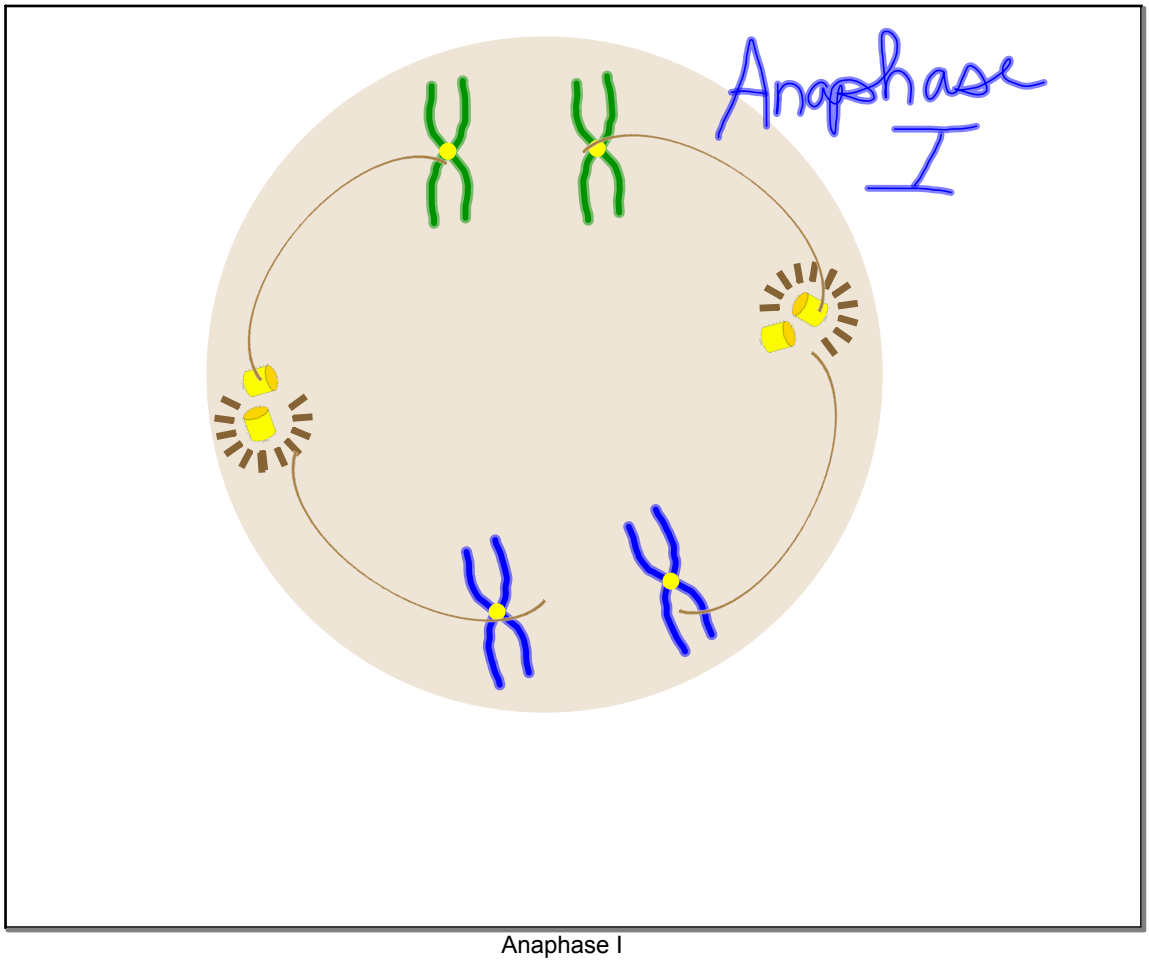
Nov 16-11:55 AM



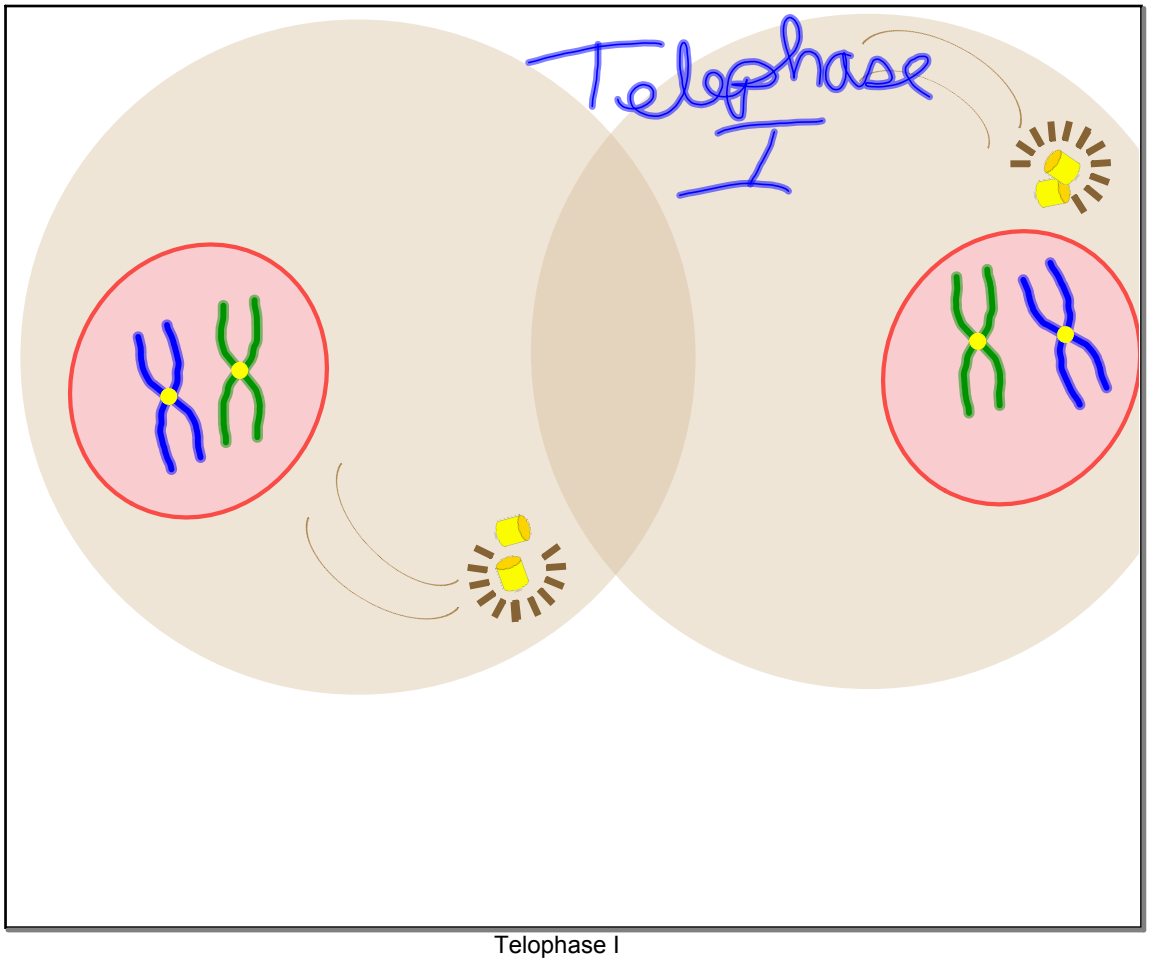
Prophase I



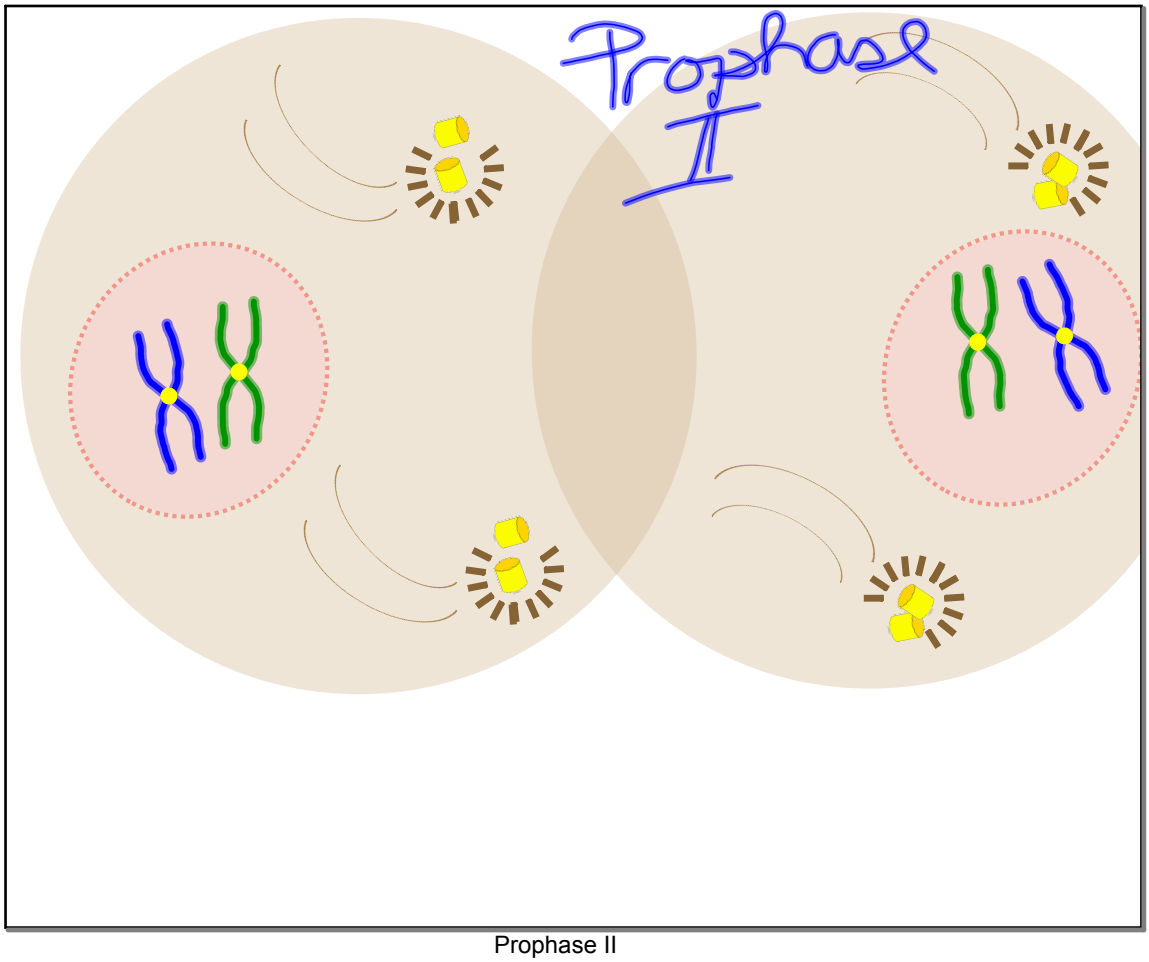
Metaphase I



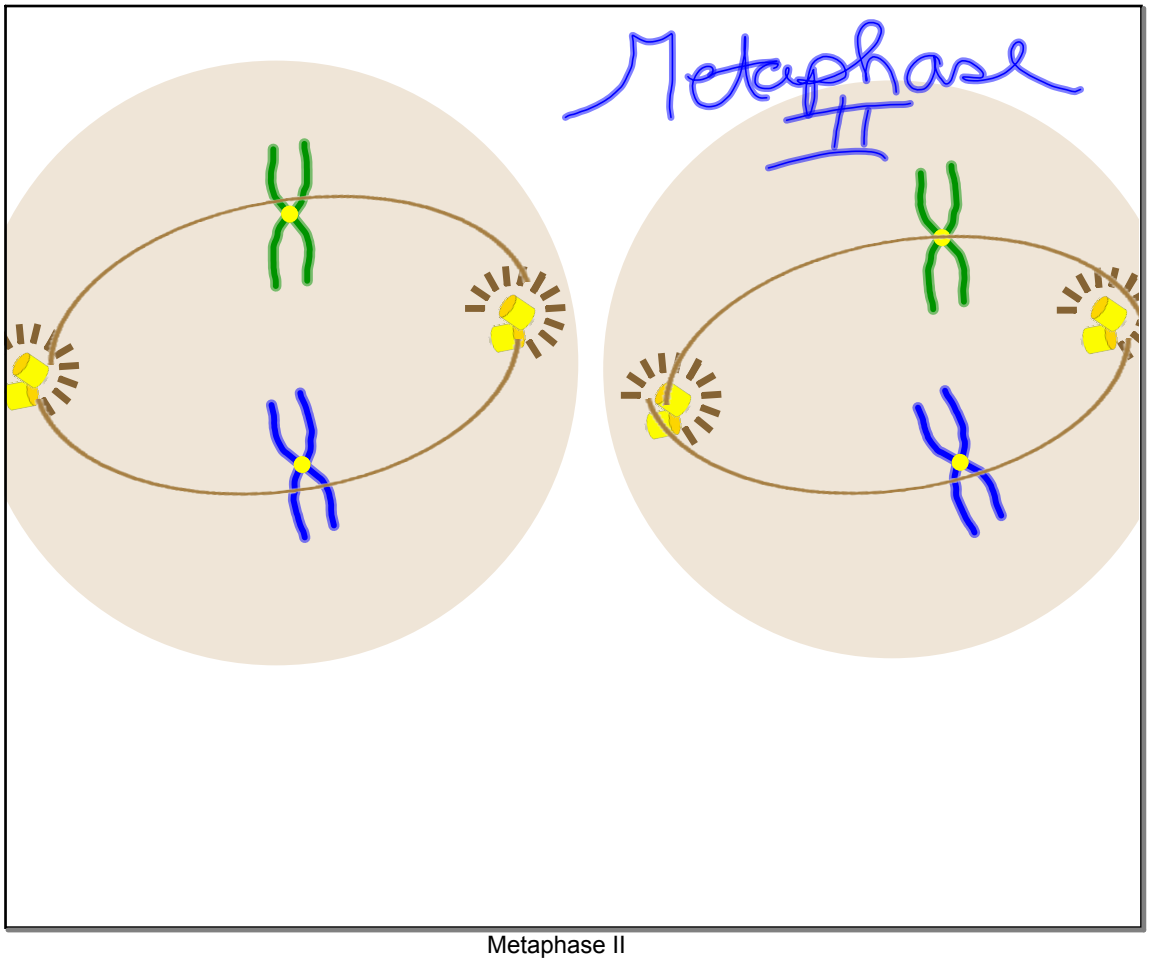
Anaphase I



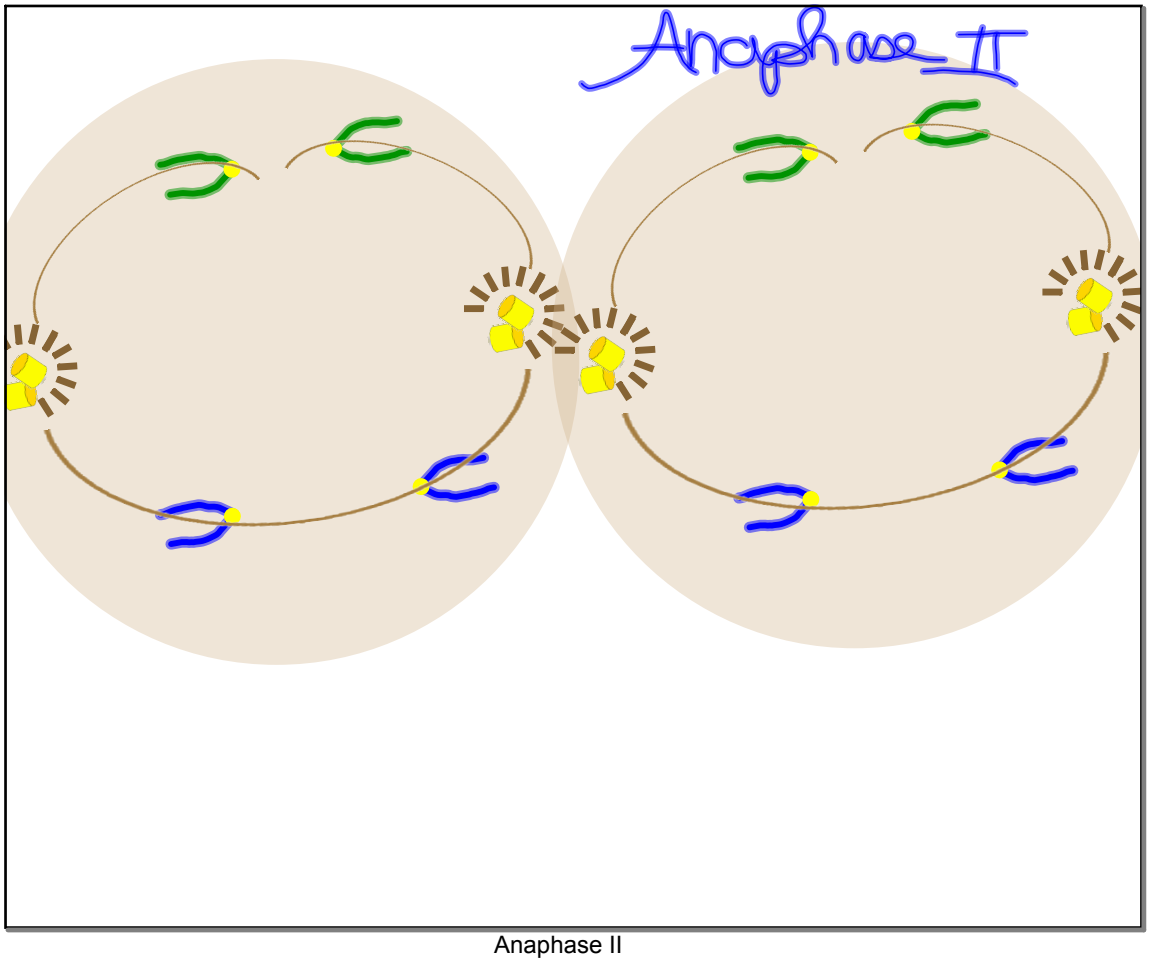
Telophase I



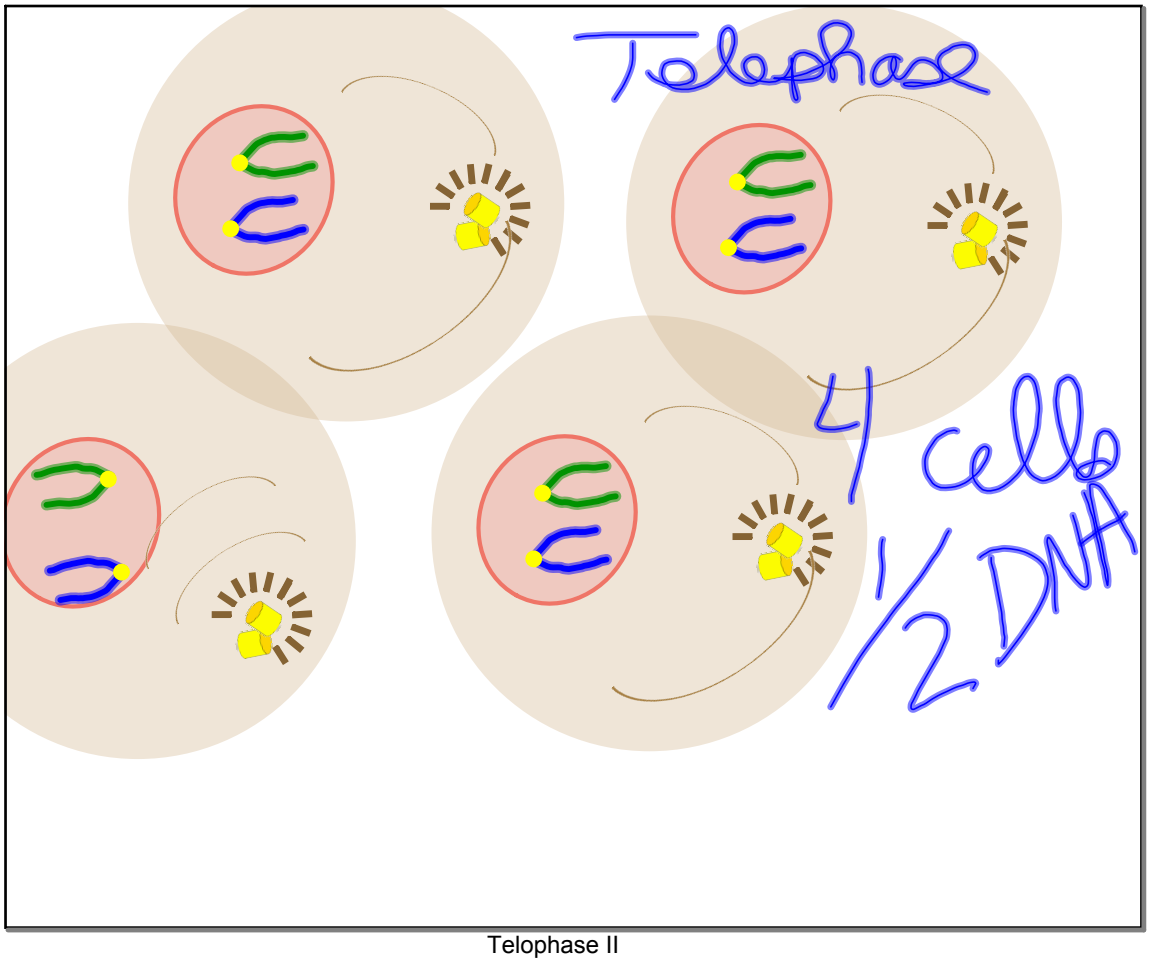
Prophase II



Metaphase II



Anaphase II



Telophase II