

Phases of Meiosis Notes

MEIOSIS 1:

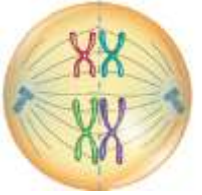
Prophase 1:

1. Synapsis: homologous chromosomes pair up forming a tetrad
2. Crossover: homologous chromosomes exchange pieces of DNA



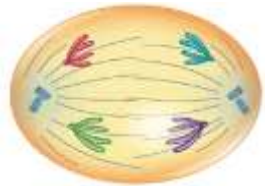
Metaphase 1:

1. Spindles pull homologous chromosomes into line in the middle of the cell



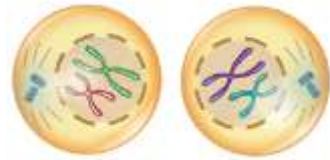
Anaphase 1:

1. Homologous chromosomes pulled apart



Telophase 1 and Cytokinesis:

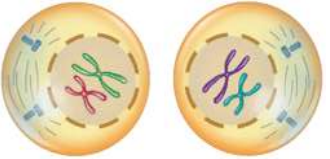
1. 2 nuclei form
2. 2 haploid cells are produced



MEIOSIS 2:

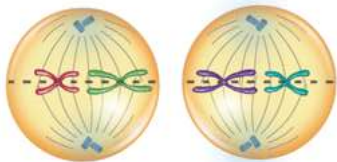
Prophase 2:

1. Spindle reforms



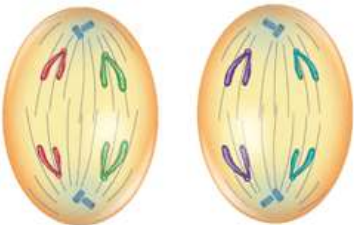
Metaphase 2:

1. Spindles pull sister chromatids into line in the middle of the cells



Anaphase 2:

1. Sister chromatids pulled apart



Telophase 2 and Cytokinesis:

1. 2 nuclei form
2. PRODUCT: 4 unique haploid daughter cells

