# CHAPTER 7 – MEIOSIS

The goals of this activity are to:

* Familiarize yourself with the steps of Meiosis
* Demonstrate understanding of the differences between Meiosis and Mitosis
* Understand the behavior of the chromosomes during each phase of the Meiosis and Mitosis.

1. Download this worksheet and save it on your computer.
2. Watch the videos that will go through the steps of the cellular divisions. The videos can be found on D2L in the “Chptr 7 – assignment” module.
3. Your task is to add find out which features from first column is present in each type of cell division and mark with “yes” or “no” if not present. In addition, for the location you have to put down the type of cells that matches each cell division.
4. Once you finish:
   * save the document then upload it under the “Assessments” then “Assignments” on D2L.

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| --- | --- | --- |
|  | **MEIOSIS** | **MITOSIS** |
| **Location**  **(sex cells or body cells)** |  |  |
| **S-phase of the Interphase**  **(DNA replication or duplication)** |  |  |
| **Synapsis**  **(homologs in pairs)** |  |  |
| **Crossing-over**  **(exchange of DNA)** |  |  |
| **Random or independent assortment** |  |  |
| **Pairs of Homologs in metaphase plate** |  |  |
| **Individual chromosomes in metaphase plate** |  |  |
| **Homologs pairs separate in anaphase** |  |  |
| **Sister chromatids separate in anaphase** |  |  |
| **Half Nr. Of chromosomes in each daughter cells** |  |  |
| **Same Nr. Of chromosomes in each daughter cells** |  |  |
| **Recombinant DNA in daughter cells** |  |  |
| **Replicated chromosomes in daughter cells** |  |  |

A picture containing text, clipart

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