# CHAPTER 7 – MEIOSIS

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|  | **MEIOSIS** | **MITOSIS** |
| **Location (sex versus body cells)** |  |  |
| **S-phase (or DNA replication)** |  |  |
| **Synapsis** |  |  |
| **Crossing-over** |  |  |
| **Random assortment** |  |  |
| **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** |  |  |

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