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| --- | --- | --- |
|  |  | Replicated homologous chromosomes pair up |
|  |  |  |
|  |  | Paired chromosomes, one from each parent that are almost identical |
|  |  |  |
|  |  | Sex cells  (Human = Eggs and Sperm)  Formed by separating homologous chromosomes to four cells with just one single chromosome |
|  |  |  |
|  |  | When homologous chromosomes exchange a portion of their chromatids |
|  |  | A cell that contains both sets of paired chromosomes  (2n) |
|  |  | A cell that contains only a single set of chromosomes  (n) |
|  |  | The process that makes gametes |
|  |  | Version of a gene  Located on chromosomes |
|  |  | Identical copies of chromosomes |
|  |  | The process by which a female gamete joins with a male gamete |
|  | | |
| **Word Choices:**  Fertilization  Gamete  Tetrad  Haploid  Allele |  | Crossing-over  Homologous  Diploid  Meiosis  Sister Chromatids |