

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

Use the following phrases to create a Venn Diagram to compare and contrast mitosis and meiosis

|   |   |  |
|---|---|--|
| produces haploid cells                        | occurs in body (somatic) cells                        | produces diploid cells                                   |
| occurs in germ cells (produces sex cells)     | produces 4 cells                                      | produces 2 cells   |
| occurs in plant and animal cells              | produces cells that are identical to each other       | has 2 separate divisions                                 |
| in humans, produces cells with 23 chromosomes | homologous chromosomes line up paired with each other | new cells are different from each other                  |
| involves cellular division                    | cell divides only once                                | in humans, produces cells with 46 chromosomes            |
| DNA is copied once                            |   | homologous chromosomes do not line up next to each other |

**Mitosis Vs Meiosis Venn Diagram**

