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| **Characteristics** | **MITOSIS** | **MEIOSIS** |
| 1. What is the purpose? |  |  |
| 1. Is it for sexual or asexual reproduction? |  |  |
| 1. Location (where does it happen) |  |  |
| 1. Is DNA replicated? If so, when? |  |  |
| 1. Does it have homologous chromosomes? If so when? |  |  |
| 1. Does crossing over occur? If so, when? |  |  |
| 1. Does it involve sister chromatids? When or how? |  |  |
| 1. How many divisions occur? |  |  |
| 1. Parent cell vs. daughter cell    * Genetic Makeup (identical or different?    * How many chromosomes are in parent cell?    * How many chromosomes are in each daughter cell? |  |  |
| 1. Which type of cells go through each process? Which organisms? |  |  |
| 1. What are the end results or products? |  |  |