**SBI3U - Meiosis Phases Chart**

Homologous Chromosomes:

Meiosis is responsible for producing gametes which are your sex cells, (sperm and egg) and must have only 23 chromosomes.

Meiosis is the undergoes two phases of PMAT that prevents the doubling of genetic material from occurring.

Below: please outline the description of each phase with a diagram.

|  |  |  |
| --- | --- | --- |
| **Phase Name** | **Description – Unique Processes** | **Diagram** |
| Interphase (S-phase) |  |  |
| Prophase I |  |  |
| Metaphase I |  |  |
| Anaphase I |  |  |
| Telophase I |  |  |
| Prophase II |  |  |
| Metaphase II |  |  |
| Anaphase II |  |  |
| Telophase II |  |  |

In a T-Chart Below, compare Meiosis and Mitosis.

What is Random Assortment of Homologous Chromosomes?

**Text Support: 4.3 Sexual Reproduction** pp 152-156