Fill in the Blank Questions

1. Chromosomes are considered \_\_\_\_\_\_\_\_\_\_\_\_\_\_ when a chromosome from a male parent has a corresponding chromosome from the female parent.

***Answer: homologous***

2. The process that produces two genetically identical diploid cells is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, but the process that produces four genetically different Haploid cells is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

***Answer blank 1: mitosis***

***Answer blank 2: meiosis***

3. A process that occurs during meiosis I where homologous chromosomes exchange portions of their chromatids is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

***Answer: crossing-over***