

Source: [\[KBhBIO101Meiosis\]](#)

1 | Genetic Variation

There are two main ways by which genetic variation is introduced to a cell cycle. Namely, **crossing over** and **independent assortment**.

1.1 | Crossing over

=> The process by which genetic information between **homologous** (similar) chromosomes are exchanged. During [\[KBhBIO101Meiosis\]](#)'s (critically, ONLY meiosis') metaphase 1,