

Distinguish, differentiate, compare and explain what is the differences between Mitosis and Meiosis in cells. Comparison and Difference.

## **Differences between Mitosis and Meiosis**

1. Mitosis occurs in somatic cells during growth, repair and replacement of cells. Meiosis occurs in sex organs during gamete formation.
2. In mitosis, two daughter cells are formed. In meiosis, four daughter cells are formed.
3. In mitosis both parent and daughter cells have diploid number of chromosomes. In meiosis, parent cell has diploid number of chromosomes and daughter cells have haploid number of chromosomes.
4. Daughter cells are identical to parent cell in mitosis while daughter cells are not identical to parent cell in meiosis.

Steady Run