















## 1. What is MSCI?

Meiotic Sex Chromosome Inactivation (MSCI) is a process of epigenetic silencing of genes on sex chromosomes. It takes place during the pachytene stage of meiosis.

## 2. What initiates MSCI?

The lack of homology between the X and the Y chromosome initiates MSCI (i.e) a differentiated sex chromosomes most likely leads to MSCI.

## 3. What is the effect of MSCI?

The genes on the X and Y chromosome are shut-off in meiotic cells.



# Introduction:

