Meiosis

- Mutations are caused by
 - Mistakes in DNA replications
 - Damage that is not repaired correctly
 - Create new alleles of genes
- Recombination = generating new combinations of alleles
- Mutations can •
 - Destroy or alter the functions of enzymes or proteins
 - Alter expression of genes
- Most mutations are not beneficial, but some are under the right circumstances
- • Advantages of recombination- can get rid of damaging alleles
- Disadvantages of recombination

- 1N = 23 chromosomes, 2N = 46 chromosomes

