

LINKED GENES, CROSSING OVER AND RECOMBINATION

- ◆ **Locus** – The locus of a gene is its _____ on a chromosome.
- ◆ **Linked Genes** are those genes on the _____ chromosome.
- ◆ **Linkage** is the tendency for a group of genes located on the same chromosome to be inherited _____ in successive generations.
- ◆ **Homologous Chromosomes** – Homologous chromosomes are _____ of chromosomes. Humans have _____ pairs of chromosomes in their body cells.
- ◆ **Crossing Over and Recombination** may occur during meiosis, when parts of homologous chromosomes _____ and rejoin, so that the combinations of genes in the offspring were not present in the _____
- ◆ **Gene Mapping** is the process of determining the position of genes in chromosomes, by using observations from the crossing over of chromosomes.