



# Changes in Chromosomes



# Trisomy



A condition caused by cells gaining more than two copies of a chromosome.



# Nondisjunction



When one or more chromosomes fail to separate properly causing a condition called trisomy.



# Mutations



- ◆ Changes in an organism's chromosome structure



# Deletion



- ◆ A section of the chromosome has been removed



# Duplication



- ◆ A section of the chromosome has been copied more than once



# Inversion



- ◆ A section of the chromosome has been flipped over.



# Translocation



- ◆ A section of the chromosome has been moved to another part of the chromosome.





# Cancer

- ◆ A problem in the cell's checkpoints causing uncontrolled growth of cells (tumors).