**Chromosomal Mutations**

The chart below contains the names of chromosomal mutations and a space to write in their description and draw what a chromosome with this mutation would look like. Your task is to use the descriptions on the chromosomal cards on pg 2 to match them with the mutated chromosome. Then, go back and fill in the descriptions for each and draw the mutated chromosome.

**Normal chromosome:**

 6

 5

 4

 3

 1

 2

|  |  |  |
| --- | --- | --- |
| **Chromosomal Mutation** | **Description** | **Mutated Chromosome** |
| **Deletion** |  |  |
| **Duplication** |  |  |
| **Inversion** |  |  |
| **Translocation** |  |  |

**Chromosomal Mutations Cards**

**\*\*The middle and right-hand columns are all mixed up! Write the correct descriptions and mutated chromosome sketches in the correct locations on the first page.**

|  |  |  |
| --- | --- | --- |
| **Names****Deletion** | **Description****A portion of the chromosome has broken off,****turned upside down and reattached, therefore the****genetic material is backward** | **Mutated Chromosome** 1 2 3 42019 1918 18 6 5**(Draw this in your data table.)** |
| **Duplication** | **A portion of the chromosome is missing or deleted.** | **Mutated Chromosome** 4 6 5 56 1 3 2**(Draw this in your data table.)** |
| **Inversion** | **When a portion of one chromosome is transported to another chromosome.** | **Mutated Chromosome** 6 6 5 4 3 2 1**(Draw this in your data table.)** |
| **Translocation** | **A portion of a chromosome is duplicated, resulting in extra genetic material.** | **Mutated Chromosomes** 6 5 4 2 1**(Draw this in your data table.)** |