

Part C

Using construction paper, create a simplified depiction of a chromosome

Along the length of the chromosome assign genes using different colors or letters (whatever makes sense to you).

Create a second depiction of the same chromosome then **structurally** mutate this depiction.

Compare the unmutated and mutated versions. What has happened to the genes?

Has the amount of genetic material changed?

Has the number of gene copies changed?

Think through what the implications of this structural mutation might be to the organism in which it occurs..

Repeat this process for a different structural mutation