







AT

Gene = Recipe



Chromosome Cookbook







Genome Cookbook Collection

The genome is a full set of 47 cookbooks: 23 from each parent PLUS the extra mitochondrial DNA

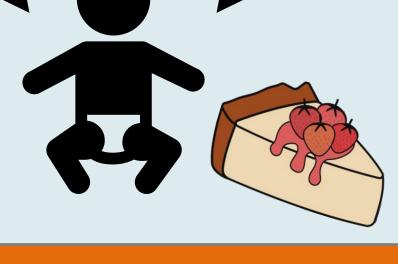






Chocolate





New Changes/De novo variants

Sometimes a genetic change happens as a brand new change in a child and is not inherited from the parents. These new changes are called "de novo." In this example, both mom and dad have a recipe (gene) for chocolate cake, however, their child has a change in their recipe (gene) that made cheesecake instead. This child may be the first in the family to ever