

## The World of Genetics

No two humans are exactly identical.  
If they are, it will make me very skeptical.  
We are all unique in a certain way,  
It all started with two strands of DNA.

Everyone has two copies of a gene, Including  
an adult, a child, and even a teen. A gene  
can tell if you have brown or blue eyes.  
However, it doesn't discover if you'll be smart or even wise.

These all can be told with certain alleles, And  
anyone can learn what these might reveal.  
The dominant allele can be seen the most,  
And the recessive allele is the one less diagnosed.

It is possible to predict our future generation  
Through Mendel and his fabulous trait cross creation.  
By multiplying both parents' genotype and using a Punnett Square,  
This will help determine our phenotype and make us really care.

Unfortunately, mutations can occur,  
And it all can happen in just one blur.  
A change in the order of DNA is called mutation,  
And that mutation can affect the diversity of a population.

Sometimes a gene is in the middle of two traits,  
Like when hair is wavy instead of curly or straight.  
This can be called Incomplete Dominance.  
These traits are the one with less prominence.

On the other hand, there are ways that both alleles can be expressed,  
Like when a flower's pink and white colors can both be addressed.  
The name of this is called Codominance.  
And these traits also show very little dominance.

Our bodies have chromosomes that come in 23 pairs:  
One from your mom and one from your dad just to be fair.  
All in all, I hope you learned a lot about our genes.  
Whether you like it or not, it's part of a human being.