The Importance Of Understanding DNA

There are billions of types of DNA in the world. Every single human has a different type of DNA that can change over time. DNA is short for deoxyribonucleic acid. DNA has the form of a double helix. DNA is a long, thin molecule (Racenis). there are four different types of changes in DNA you have substitution, deletion, insertion, and frameshift. Most DNA changes are called mutations. Some DNA testing can be used to find and catch criminals. DNA can be used for many things. DNA models are used in science because it can help understand the form of DNA and shows what some of the mutations look like. DNA models can also be used because DNA is too small to see with a human eye. People in the world need to understand DNA because DNA is a major part of life and models of DNA can help people understand DNA because DNA model can show the structure. DNA models can help you look at a trat from an organism. They can help look at the trait of an organism by looking at if there are any mutations.

All original nucleotides in DNA follow Chargoff's Rule. Chargoff's rule is that adenine always goes with thymine (a+t) and guanine always goes with cytosine (g+c). DNA has a structure of a double-helix. A double-helix is shaped like a ladder that got twisted. There are multiple chromosomes in your DNA. A chromosome is a thread like structure made up of protein. The deoxyribose-Phosphate backbone is an important part of DNA. Deoxyribose-Phosphate backbone is important to DNA because it helps make up the structure of the double helix. The nucleus is important because it stores the cells genetic information. Cells are important to DNA because it holds all the information DNA need. DNA has the structure of a double helix and a double helix is made up of a Deoxyribose-Phosphate backbone. DNA can be found in almost every cell in the body.

Some models will show how frameshifts, deletions, insertion all work but we show how substations work in our model. we show substitution by having the original genotype as AGG (eyes) GCC (hair) TTA (hand) GGG (highet) ATA (nose). Then we added a mutation in that was substation so the mutated genotype is AGC GCC TTA GGG ATA. you can see that there is a substitution because the original genotype eyes are AGG in the mutated genotype the eyes are AGC. in the model the substitution shows how it can change the whole original genotype. We can show with the model how substitution can do different things to DNA.

Moldes can help you understand DNA by showing you how all the mutations work in DNA. DNA is important to understand. DNA is important to understand because it is a major part of life. DNA testing can start to find and catch criminals. DNA is becoming a big part of technology. DNA will always have the form of a double helix. Cuargoff rule plays a big role in DNA. chargeoffs rull shows how nucleotides bond.

Work cited

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