DNA Function part 1

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**Content Purpose:** Identify the function of a DNA molecule.

DNA contain genetic information to make amino acids

Amino Acids are the building blocks of proteins.

There are 20 amino acids in nature.

These proteins determine the traits of an organism.

Codon:

3 bases code for a specific protein. Ex: AAA = lysine (helpful in treating cold sores).

Protein synthesis takes place on the ribosomes in the cytoplasm.

Protein: Long-chained molecules used to build and repair cells; made of one or more chains of amino acids.

Translation

Polypeptide: A chain of amino acids joined together by peptide bonds – this is what proteins are made of.

Transcriptions

DNA Function Part 1

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Complete DNA questions on word doc (dna\_protein\_notes file) and then write 1-4 lines to fill in the bubble map below using DNA related vocabulary.

BASES

Codons and Amino Acids

Types of Mutations

RNA

* Bases
* Types of RNA

DNA