Name	
Date	

## **DNA Guided Notes**

DNA is found in the <u>Nucleus</u> of a cell on <u>Chromosomes</u> . Each person's DNA is unique
(except for identical twins ), so therefore it is considered to be individual evidence.
DNA is inherited from
DNA stands for deoxynibonucleic acid DNA is called a double holix
because it is made up of two complementary strands that are twisted. DNA is said to resemble a
backbone) while the rungs are made up of the backbone.
The structure of DNA was discovered by Watson and Cnick Rosalind Franklin
DNA is a type of because it is a large molecule made up of (many) smaller subunits
called monomers (one) the smaller subunits are called
Each DNA nucleotide is made up of three parts. The three parts are,
phosphate and base.
An example of a nucleotide is:
base
at apple all
phosphate
There are different nucleotides in a DNA molecule. They are different because of the
bases The 4 nitrogenous bases are A adenine, T Thymine
Cutosine and & Granine
Nitrogenous bases that are made up of double-ring structures are called
and have double-ring structures.
Nitrogenous bases that are made up of single-ring structures are called
and have single-ring structures.
The two strands are held together by hydrogen bowds between the base pairs. (Remember that this is
the weakest type of bond.) The type of bond holding the backbone together is abond.
(Remember this is a strong bond.)  A  T  G  C
A principal called complementarity states that addition pairs with thymine, and
pairs with cytosine. This is also called the rule.
The complement to this DNA strand is:
AAATGCAGGCCATAGCCC
The complement to this DNA strand is:  AAATGCAGGCCATAGCCC  TTTACGTCCGGTATCGGG  AVEY  ACCOMPLETE  TOTAL  TOTAL  AND TOTAL  TOTAL  TOTAL  AND TOTAL  TO