**February Notes: Day 1 DNA Structure**

Name: Period: Date:

**AIM: How are DNA molecules structured?**

**Do now: Where in the Cell is DNA found?**

**DNA Structure**

* consists of two that are arranged into a -like structure called a .
* A of is made up of of tiny called .
* Each nucleotide consists of:
	1. group
	2. Pentose ( )
	3. Nitrogenous
* Draw a Nucleotide

**Nucleotides**

* The and form the of the DNA molecule, whereas the form the “ s”.
* There are types of .
* Each will only with other specific base.
* Adenine ( )
* Thymine ( )
* Cytosine ( )
* Guanine ( )
* Because of this pairing, the order of the bases in one determines the of the bases in the strand.

* To crack the found in DNA we need to look at the of .
* The bases are arranged in triplets called codons.

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* A is a of DNA that for a
* Each gene has a unique of .
* This of will code for the production of a
* It is these and of proteins that give us a .