Name:	Period:

Discovering DNA Structure D = deoxyribo

	N = nucleic	
the cecell will dishow group repeat	A = acid contains the information for carrying out the activities of all. How this information is coded or passed from cell to was at one time unknown. To break the code, today you or a paper lab to determine the structure of DNA and show the genetic code is carried. Each member of your has a molecule called a NUCLEOTIDE. DNA is made up of sing units of nucleotides. Look at your nucleotide and the nucleotides of your ear. What are the THREE common parts of a nucleotide?	Your Body Cells Chromosome DNA Strand
	What is the ONE part of a <u>nucleotide</u> that differs among ERENT <u>nucleotides</u> in your group?	Base Pairs the four
3.)	List the four different kinds of nitrogen bases.	
4.) moleci	Fit the nucleotide pieces until you find the best fit. Join ules in your group together like a puzzle.	the nucleotide
5.)	Glue your pieces on to the construction paper Ms. S gave	you.
6.) each c	In the space below, explain WHERE the nucleotide molecular.	ules connect to
		

Date:

Where is

DNA?

Name:		Period:		Date:
7.) nucled	A real DNA molecule consist of the pairing of the p		•	of
	pairs with	_and	_ pairs with	
<u>adenii</u>	Are there always going to l ne and <u>thymine</u> nucleotides	in a molecule? \	Why?	G A A A G
•	Are there always going to l ne and cytosine molecules in	•		
base. A alwa G alwa	ays binds to ays binds to			
bases of you	In the space below, use the in the DNA molecule that yur molecule. Goes with Goes with		•	
	elow the letter, write the ${ t b}$			
**The	DOUBLE HELIX arranged in a spi	means that the	two long chains of	

• Bring your molecule to the front of the room and join it to the molecules of the other groups. We now have one large DNA molecule.

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