Y CONCEPT A structure is the	he same in all	organisms.		
CABULARY				
nucleotide	e		base pairing rules	
double he	lix			
IN IDEA: DNA ne space below	-		s three parts using w	vords and arrows
	-			vords and arrows
	-			vords and arrows
	-			vords and arrows
	-			vords and arrows
	-			vords and arrows
	-			vords and arrows
	-			vords and arrows

e	Class	Date	
AIN IDEA: Watson arructure.	nd Crick developed an accu	urate model of DNA's three-dime	nsional
. What did Franklin's	data reveal about the struct	ture of DNA?	
	d Crick determine the three-	-dimensional shape of DNA?	
6. How does DNA ba	se pairing result in a molect	ule that has a uniform width?	
AIN IDEA: Nucleotide	es always pair in the same	way.	
6. What nucleotide pa	irs with T? with C?		
ocabulary Chec 7. Explain how the DN	k A double helix is similar to	o a spiral staircase.	
3. How do the base particles	ring rules relate to Chargaf	f 's rules?	

SECTION QUIZ 8.2: Structure of DNA

Choose the letter of the best answer.

	1.The four types	of nucleotides	that make up	DNA are	named for their
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- a. hydrogen bonds.
- b. nitrogen-containing bases.
- c. phosphate groups.
- d. ring-shaped sugars.

- a. A = T and C = G.
- b. A = C = G = T.
- c. A = C and G = T.
- d. A + T = C + G.

- a. GTTACGC.
- b. UCCGTAT.
- c. TGGCATA.
- d. CAATGCG.

- a. nucleotide.
- b. X in a circle.
- c. double helix.
- d. covalent bond.

____ 5. What holds base pairs together?

- a. hydrogen bonds.
- b. sugar-phosphate backbones.
- c. pairs of double-ringed nucleotides.
- d. nitrogen-carbon bonds

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