Block:	Date:	

Activity A: Build a DNA molecule		Get the Gizmo ready:					
		 If necessary, click Reset to start the building process. 					
Question: What is the structure of DNA?							
1.	1. <u>Build</u> : Follow the steps given in the Gizmo to cons molecule of DNA. (Note: For simplicity, this DNA n is shown in two dimensions, without the twist.)		truct a nolecule	Left side	Right side		
	Stop when the hint reads complete." In the spaces nitrogenous bases on the molecule and the right-ha	: "The DNA molecule is at right, list the sequence e left-hand side of the DN/ and side.	e of A				
2.	Explain: Describe the stru	cture of the DNA molecul	e you made.				
	A. What makes up the sides of the DNA molecule?						
	B. What makes up the	e "rungs" of the DNA mole	ecule?				
3.	3. <u>Fill in</u> : Write the name of the nitrogenous base that joins to each of the bases below:						
	Adenine (A) joins to		Thymine (T) j	hymine (T) joins to			
	Cytosine (C) joins to _		Guanine (G)	joins to			
4.	<u>Practice</u> : The left side of a side of the molecule.	DNA molecule is shown.	. Draw a comp	lementary right			
5.	Challenge: This DNA stran many different sequences your answer.	nd consists of eight pairs of eight bases can you m	of nitrogenous nake? Explain	bases. How how you found			