## DNA test page 1

The image on the right shows a drug (yellow) binding to DNA. To what region of DNA is the drug binding?	
○ A. The major groove	
OB. The minor groove	
⊙C. Neither	-
Which of the following alamanta is NOT found in DNA 2	
Which of the following elements is NOT found in DNA?	
○ A. nitrogen	
○ B. phosphorus	
⊙C. carbon	
⊙D. sulfur	
○E. oxygen	
Nucleotides are composed of:	
○ A. protein, sugar, and lipids	
⊙B. DNA	
○ C. RNA and amino acids	
OD. phosphate, sugar, and a base	
○ E. carbohydrates and nucleic acids	

## DNA test p. 3

The last set of questions are related to the image at this link (click here). The letters and shaded areas indicate specific chemical groups, atoms, or bonds. Select the letter that corresponds to the best choice for each of the items below. A covalent bond  $\bigcirc$ C  $\Theta$ A  $\bigcirc \mathbf{B}$  $\bigcirc D$  $\ominus E$  $\bigcirc F$  $\bigcirc$  G  $\Theta$ H A 3' carbon  $\bigcirc \mathbf{B}$  $\bigcirc A$  $\ominus C$  $\ominus D$  $\ominus E$  $\ominus F$  $\bigcirc$  G  $\Theta$ H A deoxyribose  $\Theta$ A  $\ominus \mathbf{B}$  $\bigcirc$ C  $\bigcirc D$  $\ominus E$  $\bigcirc F$  $\bigcirc$  G  $\Theta$ H An adenine  $\ominus A$  $\bigcirc B$  $\ominus C$  $\ominus D$  $\bigcirc E$  $\bigcirc$  G  $\bigcirc F$  $\ominus H$ A cytosine  $\bigcirc A$  $\bigcirc B$  $\ominus \mathbf{C}$  $\ominus D$  $\ominus E$  $\bigcirc F$  $\bigcirc$  G  $\ominus H$ A non-covalent bond  $\bigcirc B$  $\ominus C$  $\bigcirc A$  $\bigcirc D$  $\ominus E$  $\ominus F$  $\bigcirc$  G  $\ominus H$ A phosphodiester bond  $\bigcirc A$  $\bigcirc \mathbf{B}$  $\ominus C$  $\ominus D$  $\ominus E$  $\ominus F$  $\bigcirc$  G  $\ominus H$ A 5' carbon  $\bigcirc A$  $\bigcirc B$  $\bigcirc$ C  $\bigcirc D$  $\ominus E$  $\bigcirc F$  $\bigcirc$  G  $\Theta$ H

