Name:	Unit:	Pd:
Practice: Organic	Compounds	
CPA&P		
atch the terms in column B	with the descriptions in colum	nn A. Enter the correct letters in the answer blanks.
		bidliks.
<u>Column A</u>		<u>Column B</u>
	f carbohydrates	A. Amino acids
DE 2.) Building blocks of	fats	B. Carbohydrates
	f proteins	C. Lipids (fats)
4.) Building blocks of	f nucleic acids	D. Fatty acids
B,A,G,H5.) Cellular cytoplasr	n is primarily composed	E. Glycerol
\wedge		F. Nucleotides
6.) The single most important fuel source or body cells		G. Monosaccharides
7.) Not soluble in wa	ter	H. Proteins
B.G 8.) Contains C, H, and	d O in the ratio CH₂O	
9.) Contain C, H, and	O, but have relatively low	
10.) These building block, H, and O	ock contain N in addition to	
11.) Contain P in add	lition to H, O, N, C	
12.) Used to insulate	body and found in all cell mer	mbranes
1) 0	nents of meats and cheeses (yu	
14.) Primary compor	nent of bread and skittles	
15.) Primary compor	nent of eggs and peanut butter	
16.) Includes collage	n and hemoglobin	
17.) Class that usuall	y includes cholesterol	

	Figure 2.7 shows the molecular structure of DNA, a nucleic acid.			
	\bigcirc	Deoxyribose sugar (d-R)		
		Phosphate unit (P)		
		Adenine (A)		
		Cytosine (C)		
		Thymine IT		
		Guanine (G)		
	A.	Identify the two unnamed nitrogen bases and insert their correct names and symbols in the two blanks beside the color coding.		
	В.	Complete the identification of the bases on the diagram by inserting the correct symbols in the appropriate spaces on the right side of the diagram.		
\	C.	Select different colors and color the coding circles and the corresponding parts of the diagram.		
	D.	Label one d-R sugar unit and one P unit of the "backbones" of the DNA structure by inserting leader lines and labels on the diagram.		
	E.	Circle the associated nucleotide.		
	F.	Answer the following questions by writing your answers in the answer blanks.		
		1. Name the bonds that help hold the two DNA strands together. Hy (Irogen		
		2. Name the three-dimensional shape of the DNA molecule. Double Helix Part of a DNA molecule (coiled)		
		3. How many base pairs are present in this segment of a DNA model?		
		4. What is the term that means "base pairing"? Bonding of Corresponding Bases (AW/T) & (C w/G)		

e Tasi b