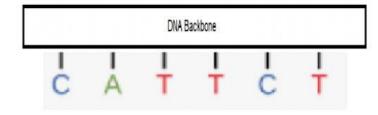
Deoxyribonucleic Acid (DNA) is a molecule is a		. The monomer of this . The monomer of this a		
	group, a deoxyribose _	, and one of four		
	·			

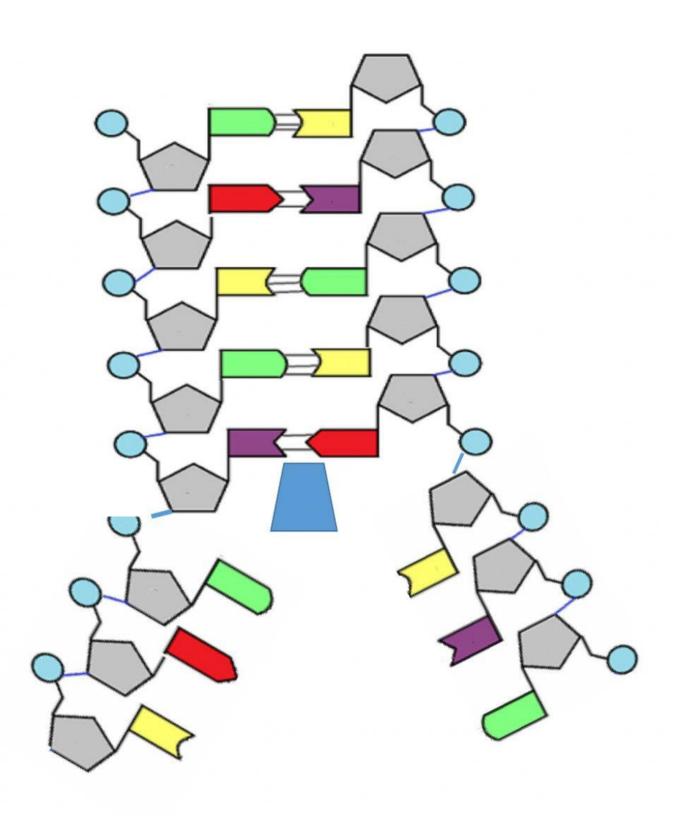
Chargaff discovered the base pairing rules for DNA. He found that the amount of adenine is about the same as the amount of thymine, and the amount of guanine is about the same amount of cytosine. Therefore $A = ___$ and $C = ___$. Given one percentage, you can figure out how much of the other three bases are present. All four bases should add up to 100%

	% Thymine	% Guanine	% Adenine	% Cytosine
Example 1:	31 %			19%
Example 2:			26%	
Example 3:		21%		

DNA is a	, where the nitrogen bases from one side are				
bonded to the nitrogen bases	on the other side by				
	DNA is replicated in a eukaryote cell during the				
of	before cell division can occur.				
	r, the double helix must be unwound. The enzyme				
	hydrogen bonds between the N-bases. Another				
enzyme	, brings the complementary nucleotide to				
the exposed strand. For examp	ple – if the template strand has A, then				
	emplate strand has a C, then the would be				
brought over.					
Once, the strands are rebuilt, _	will glue the backbone together.				
Each of the new molecules will	l each have one original strand and one new strand				
this is referred to as					



Write the correct complementary strand.



Move the N-bases to the correct complementary base on the DNA template strands.

Which enzyme brings the complementary nucleotide bases to the template strand?













