Name:	DNA Molecule Model - LAB
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Objective:	Γo make a model illustrating the structure of DNA
Backgroun	d information:
a) Wha	t does DNA stand for?
b) Whe	t does DNA stand for? re is DNA found in Eukaryotes?
C) Wila	is the importance of DNA?
d) Wha	t is the subunit of DNA?
e) Wha	t is the subunit of DNA?t are the three parts of a nucleotide?
Materials: 6	different colored pencils or markers, scissors, glue.
Procedure:	
	in all materials
2. Reco	rd the color code for your model below
a	Sugar:
D	. Phosphate:
c.	A =
u	. 1 —
v.	C
f.	G =
3. Follo	w the given instructions to build your DNA molecule
	ver the following questions about your model
a.	How do the nitrogen bases pair?
υ.	where are the sugar phosphates found?
C.	where can the bases be found?
d.	Why did you start with sugar on one side and phosphate on the other side?
e.	How many A and T base pairs do you have?
f.	How many C and G base pairs do you have?
g.	What would represent the hydrogen bonds in your model?
h.	
i.	How many hydrogen bonds form between C and G in a real DNA molecule? How many hydrogen bonds form between C and G in a real DNA molecule?
1.	many nydrogen conds form between C and G in a real DNA molecule?
5. When	your model is finished sketch, label and color your DNA molecule on the back o
	iper.

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