Name			
Period	Date		

DNA Notes

Deoxy	yriboni	ucleic	Acid
DEOV		ucicic	TUIU

Deoxy i bonuciere Acid				
DNA stores	information			
•	and	all of our	cells' activities	
Provides the	instructions to make,!			
Where is DNA located?				
DNA is found in the		_ of every	cell	
What does DNA do?				
DNA	_;			
•	reactions in the cel	I		
• The of				
• The of		_ produced		
DNA	_ before			
DNA directs	synthesis:			
Tells the	in the cell	when to make a		
REMEMBER: you are	ou are because of your			
Who discovered DNA?				
As with other scientific	, the	e discovery of	was a	
of t	he work of multiple		_	
1	2	3		

Friedrich Miesher (1869):			
Swiss biologist			
• Studies			
from used	_ collected from a nearby		
After stripping away the with a "" substances	and from the cells, he was left		
He named this substance			
He did not know the or	of this new substance		
Rosalind Franklin (1952):	James Watson & Francis Crick (1953):		
 Used in London Used Discovered that DNA has a shape Determined the 	was in the shape of a		
backbone is located on the of the structure			
The Structure of DNA	Label the parts of the diagram:		
DNA is made up of			
parts of a			
1			
2			
3			

Sugar-Phosphate Backbone

- Located on the _____ of the structure
- Sides of the _____ run in

_____ directions

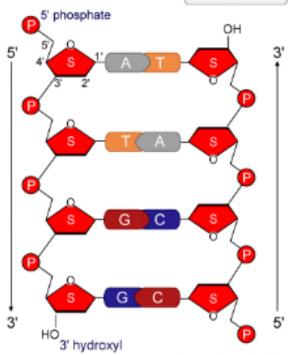
• _____ and _____ from the

____ to ____ direction

• _____ on the _____ acts

like an _____

o _____ points to the ____ end



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DNA structure

Nitrogenous Bases

Four bases:

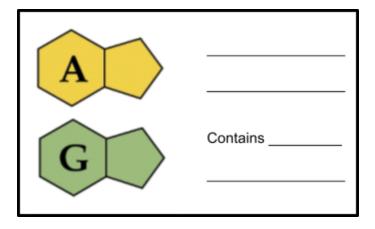
- 1. _____
- 3.
- 2. _____
- 4. _____

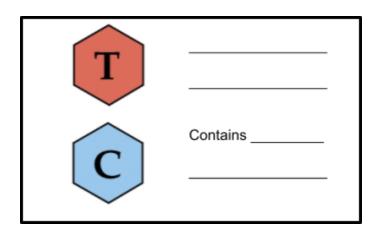
Those 4 bases fall into one of two categories:

1. _____

and

2.





Nitrogenous bases pair in specific ways:

Write the complementary strand of the DNA strand listed below:
