Na	Name	Period	
Regents Biology		Date	
NUCLEIC ACIDS			
What are the functions of a nucleic acids in living organisms?			
	a		
	b		
2.	2. What is the building block (monomer) for a nuclei	c acids?	
3.	3. What are the 3 parts of a nucleic acid monomer?		
4.	 Draw a <u>simple</u> diagram of the nucleic acid buildin 	g block.	
5.	5. Name the two examples of nucleic acids in all org	ganisms.	
6.	6. What type of bond is used to bond the nucleic ac	d monomers together <u>along one chain</u> ?	
	STRONG or	WEAK	
7.	7. What type of bond is used to bond the nucleic ac <u>helix</u> ?	id chains together across the DNA double	
	STRONG or	WEAK	

Na	me Regents Biolog
8.	How is this difference in bonds important to the function of DNA in living organisms?
9.	List the different kinds of nitrogen bases in all nucleic acids
10.	List the nitrogen bases in DNA.
11.	List the nitrogen bases in RNA.
12.	Draw a simple diagram of a nucleic acid polymer.
13.	Describe the shape of the DNA molecule.
14.	Explain why this specific structure of DNA is very important to life on Earth.
15.	Who was awarded the Nobel prize for the discovery of the structure of DNA?
16.	When did they discover it?