Name	Per	Date
DNA	Replication Review	Worksheet
1. What does DNA stand for?		
2. What is DNA's primary function	on?	
4. What are the subunits called t	that make up DNA?	
5. Name the 3 parts of a DNA nu	ıcleotide.	
6. Sketch and label a DNA nucleo	otide.	
7. Name the 4 nitrogen bases on	DNA.	
8. What is the difference betwe	en a purine & a pyrii	midine?
9. Name 2 purines.		
10. Name 2 pyrimidines.		
11. Who is responsible for determ was this done?	nining the structure	of the DNA molecule & in what year
12. The model of DNA is known a composed of two		
13. What makes up the sides of a	1 DNA molecule?	
14. What makes up the "steps" o	f a DNA molecule?	
15. How did Rosalind Franklin con	itribute to determir	ning the structure of DNA?
16. What type of bonds holds the	e DNA bases togeth	er? Are they strong or weak bonds?
17. What makes up the "backbone	e" of the DNA mole	cule?
18. On DNA, a base.	base will a	ilways pair with a
20. How many base pairs are in a	full turn or twist or	f a DNA molecule?
21. Name the complementary bas	se pairs on DNA.	

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23. How does the nucleotide se of DNA?	quence in one chain	of DNA compare with the other chain
24. Why must DNA be able to 1	make copies of itsel	f?
25. Define DNA replication.		
26. What is the first step that	must occur in DNA	replication?
27. What acts as the template	in DNA replication?	ı
28. What is a replication bubble	e?	
29. What enzymes help separathey break?	te the 2 strands of	nucleotides on DNA? What bonds do
30. What is the function of DN	IA polymerases?	
31 bonds.	are joined to replica	ating strands of DNA by
32. If the sequence of nucleoti what would be the nucleotide so		DNA strand was A - G - G - C - T - A, plementary strand of DNA?
34. Why does DNA replication	take place at many p	places on the molecule simultaneously?
35. When replication is complet & the original DNA molecule?	te, how do the 2 new	v DNA molecules compare to each other
37. Sketch & label DNA replica	ition.	