Name		Date	Period
-	n Practice Worksheet		
	of DNA unwinds and each side serves a	•	
DNA Replication	- DNA carries the information for making	functions of a living orga	
DNA Renlie	ation Prior to Cell Division		s. When the cell reproduces,
DIA Replic	Complementary New Strand	it has to pass all of this in	* *
	Complementary New Strand	daughter cells.	
		•	ce, it must first replicate , or
		make a copy of, its DNA occurs depends upon who	
Parent Strands	To Garage		e (see the RNA sidebar on
		1 2	re about the types of cells).
V TO V	2917	DNA replication occurs i	
1/4.	6 6	prokaryotes and in the nu	
A Adenine		Regardless of where DNA basic process is the same	
T Thymine G Guanine	(F) 18 1 VS	1	orocess that must be done
C Cytosine	66.	exactly. When it is not	
YGAMIAD	Complementary New Strand	mutations (mistakes) th	1
Solution in two pa A. <i>Fill in the comp</i> Original DNA:	ACCCC GCCGG GATAT CCTTC TAC arts: olementary strand. TCC TG ACCCC GCCGG GATAT CC	TTC TACCT CCAAA TGTAT	
Complementary:	AGGAC TGGGG CGGCC CTATA GC	GAAG ATGGA GGTTT ACATA	
B. Split the DNA a	and fill in the complementary strands to o	create two complete double helix :	strands.
	GCCGG GATAT CCTTC TACCT CO		
AGGAC TGGGG	CGGCC CTATA GGAAG ATGGA GGT	TTT ACATA (new)	
	NA: CCTAT ATCTC TCTAT ATCTC TO		
B. Make identical			
	CCTAT ATCTC TCATA CTGTG TGTC	Γ CTATA (original)	
		(new)	
	NA: CCGGA TTTTA ATTAG CTACT A NA:		

B. Make identical strands of DNA:

CCGGA TTTTA ATTAG CTACT ATCGT ACTAC GTTGG TGCTA (original)

(new)