DNA Replication Worksheet

DNA 1	replication occurs in a $_$		manner. This is when two new DNA	
molec	ules are created by reusi	ng one of the	strands of DNA and creating a	
strand	of DNA.			
1.	The enzyme, breaks the		between the base pairs.	
2.	attach to the DNA strands to prevent them from			
	or joining together.			
Define	e Gyrase:			
3.	is ac	lded to the strands by		
4.	It occurs in the direction.			
5.	adds complementary nucleotides is built towards the replication fork.			
The _		uilt away from the replic	cation fork in short	
This p	rocess is	·		
6.		are joined by	It creates a	to
	form a continuous stra	nd of DNA.		
7.	1	emoves	and replaces them with nucleotides.	
8.	also checks for errors, and replaces bad nucleotides.			
9.	DNA does not replicate as a whole, but in small fragments called			By
	doing this, the process	is greatly accelerated.		
List th	e four reasons for DNA	replication.		
1.		•		
2.				
3.				
4.				