DNA Structure & intro to Replication Worksheet Name: _

		In 1953, James Watson and Francis Crick established the structure of DNA. The structure is a double helix, which is like a twisted ladder. The sides of the ladder are made of alternating sugar and phosphate molecules. The sugar is deoxyribose. Color all the phosphates pink (one is labeled with a "p"). Color all the deoxyriboses blue (one is labeled with a "D").												
		guanir C. The	ne. The prese bases	yrimidines always bo	are thym	ine and cy	tosine. T Adenine	he bases will only	are know v bond to	n by their o thymine. O	coded lette Guanine w	adenine and ers A, G, T, ill only bor	nd	
omple	NRT A Implete the following strand of DNA by placing the letter of the correct Implete the following strand of DNA by placing the letter of the correct													P. C n
,	С	С	A	G	Т	Α	G	Т	T	3'				5
the DNA molecule above were the parent strand of DNA, when the rands are split for replication, which strand would be the template for the ading strand? Why?														I s le —
-	NRT B Why does DNA need to replicate?													P. 1.