









Importance of RNA Polymerase

- 1) RNA polymerase bind to a promoter region on the DNA
- 2) Unwind the DNA double helix
- 3) Initiates the transcription process
- 4) Able to start a chain from stratch; primer is not need to begin transcription
- 1) Adds DNA nucleotide from nucleoplasm to the growing RNA strand



























		ſ	GENETIC COD	E : 64 codon			
	Second base						
		U	С	Α	G		
First base (5' end)	υ	UUU UUC			UGU UGC	U C A G	
				UAA Stop UAG Stop	UGA Stop UGG Trp		
	С	CUU CUC CUA CUG	CCU CCC CCA CCG	CAU CAC His CAA CAA GIn	CGU CGC CGA CGG	U C A G	Third base (3' end)
	•	AUU AUC AUA AUG Met or	ACU ACC ACA ACG	AAU AAC AAA AAA Lys	AGU AGC AGA AGA AGG	U C A G	
	G	GUU GUC GUA GUG	GCU GCC GCA GCG	GAU GAC Asp GAA GAG Glu	GGU GGC GGA GGG	U C A G	
		GUG	GCG	GAG	GGG_	G	



