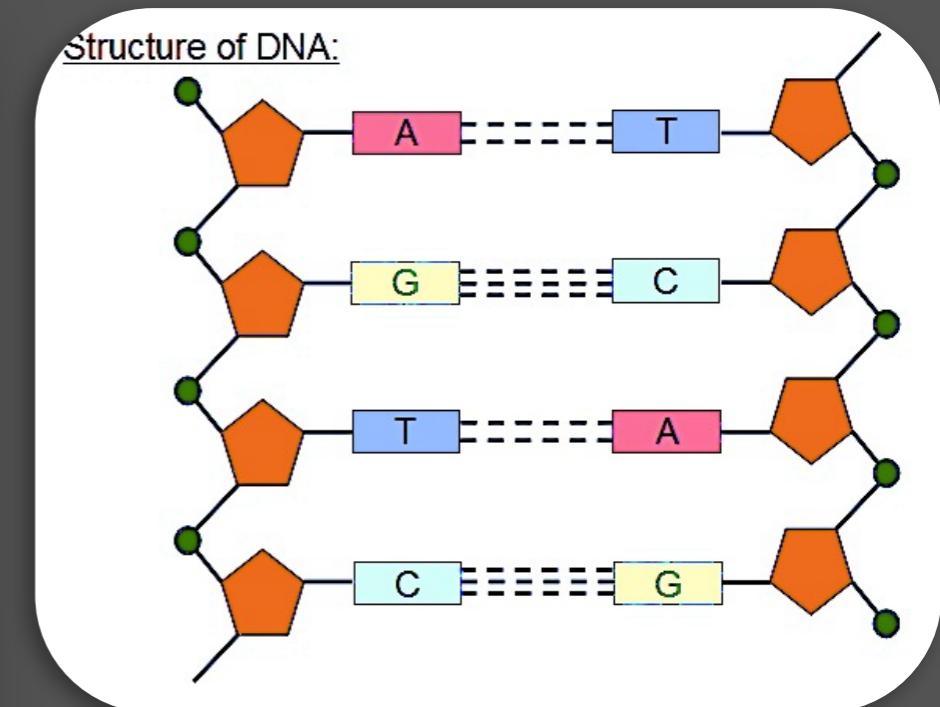
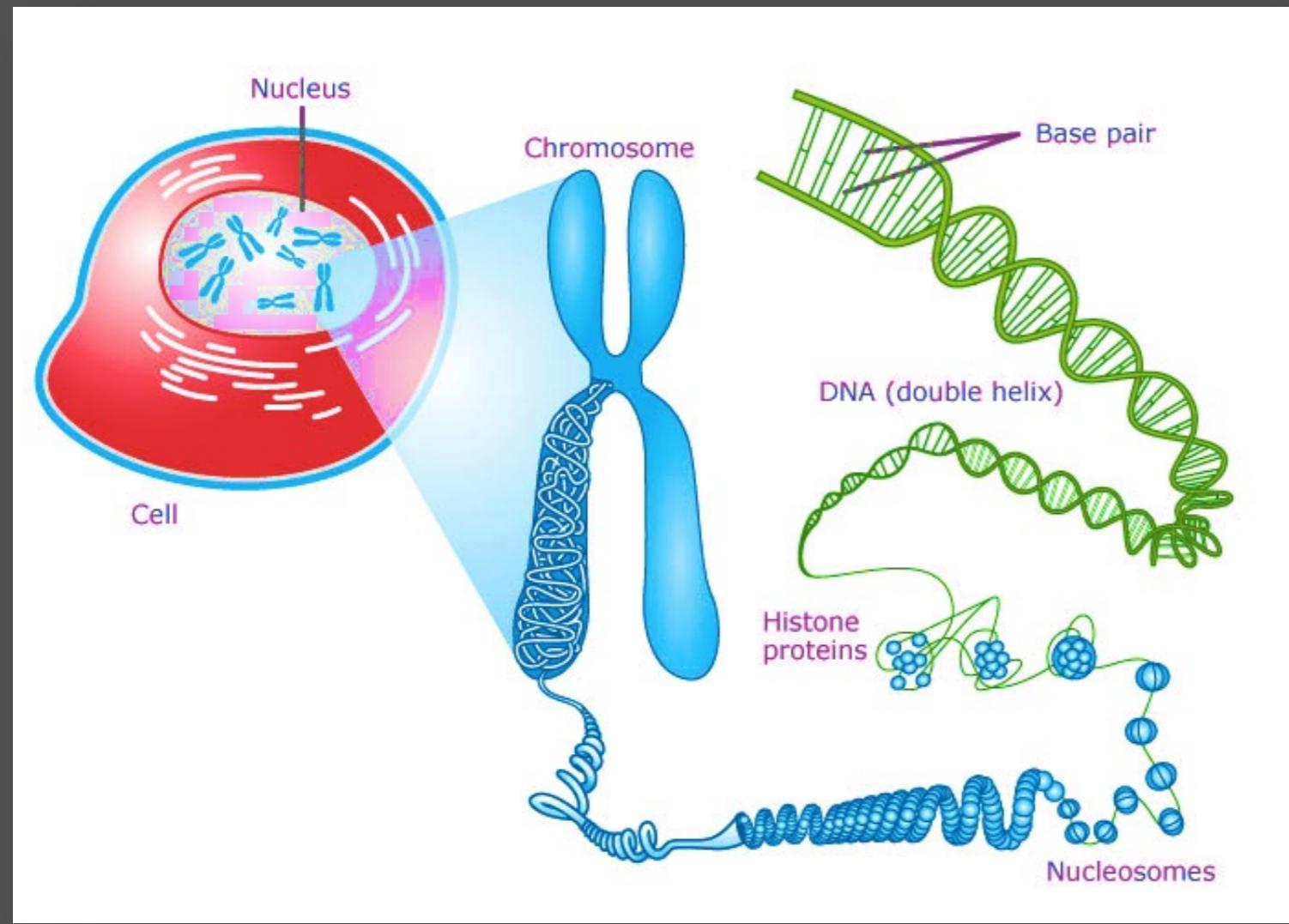
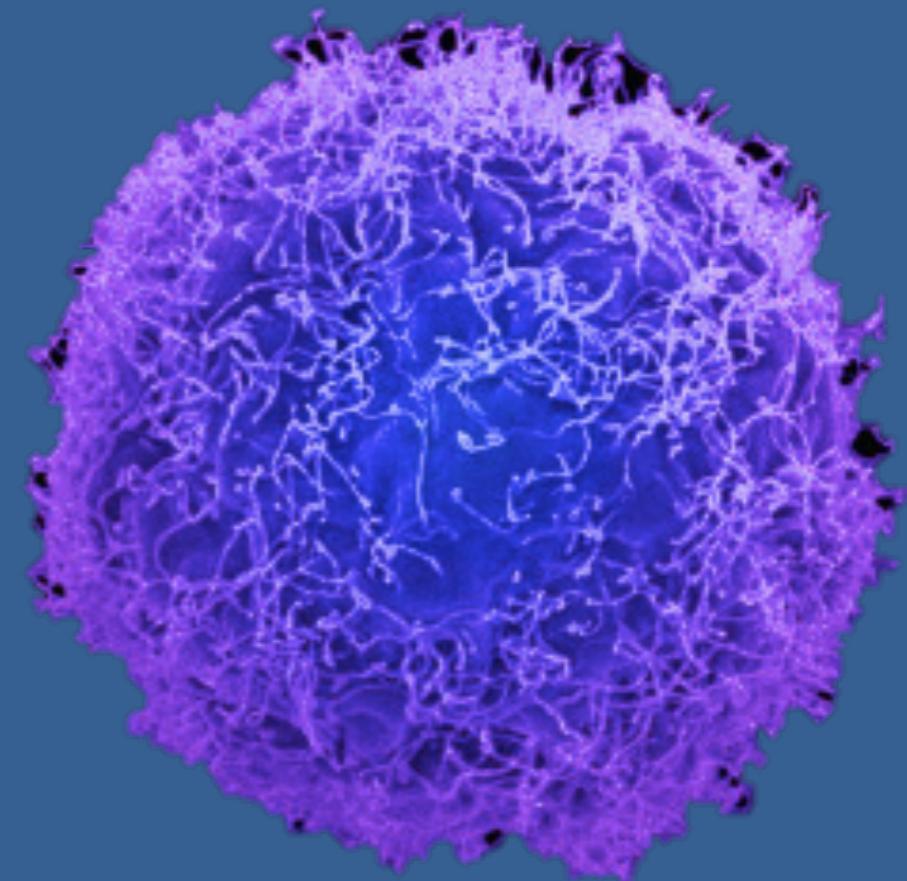


DNA

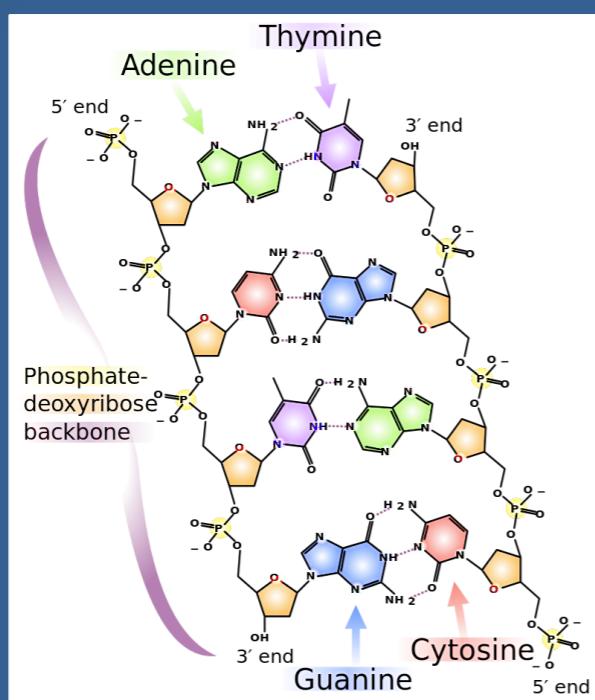
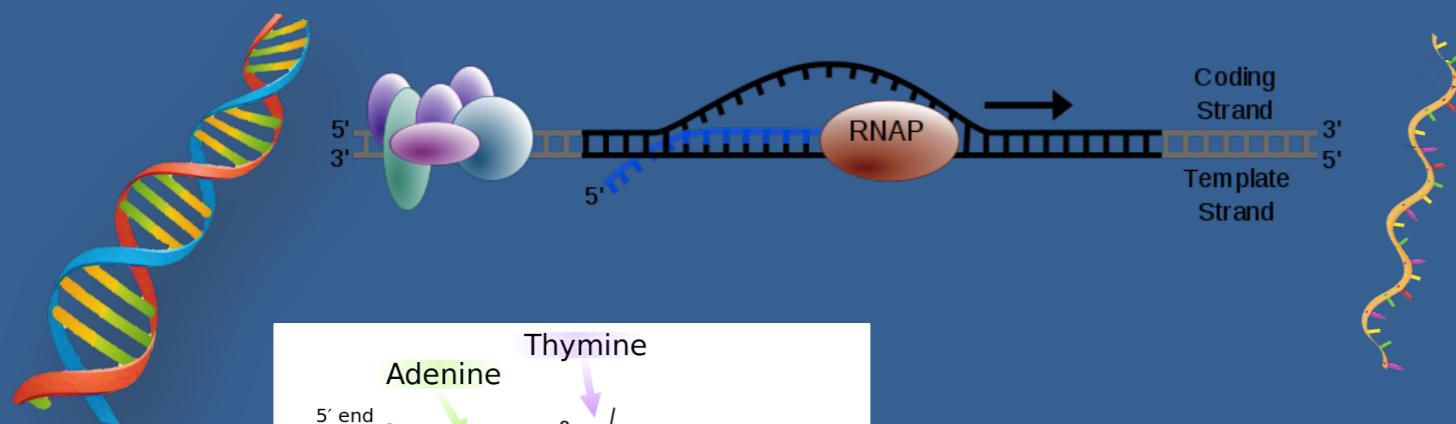


A circular graphic featuring a repeating pattern of colored DNA sequence blocks. The blocks consist of four rows of three letters each, representing a DNA sequence. The colors used are red, green, blue, and yellow. The sequence is repeated across the circle, creating a textured, colorful pattern.

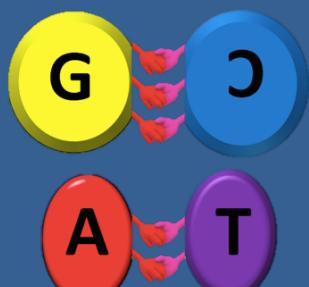
How does the DNA code “run” inside the cell?



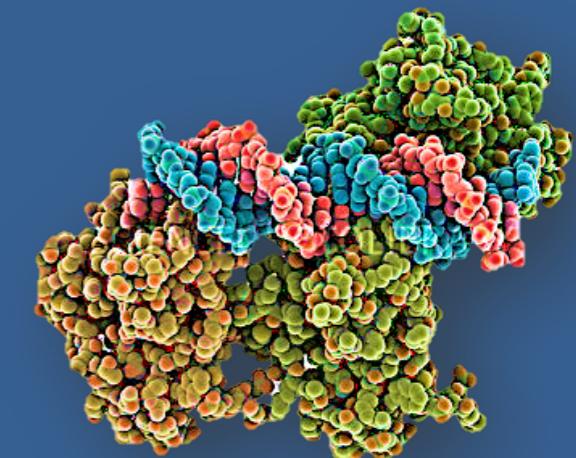
Central Dogma of Biology [/Life]



Alphabet: A,C,U,G



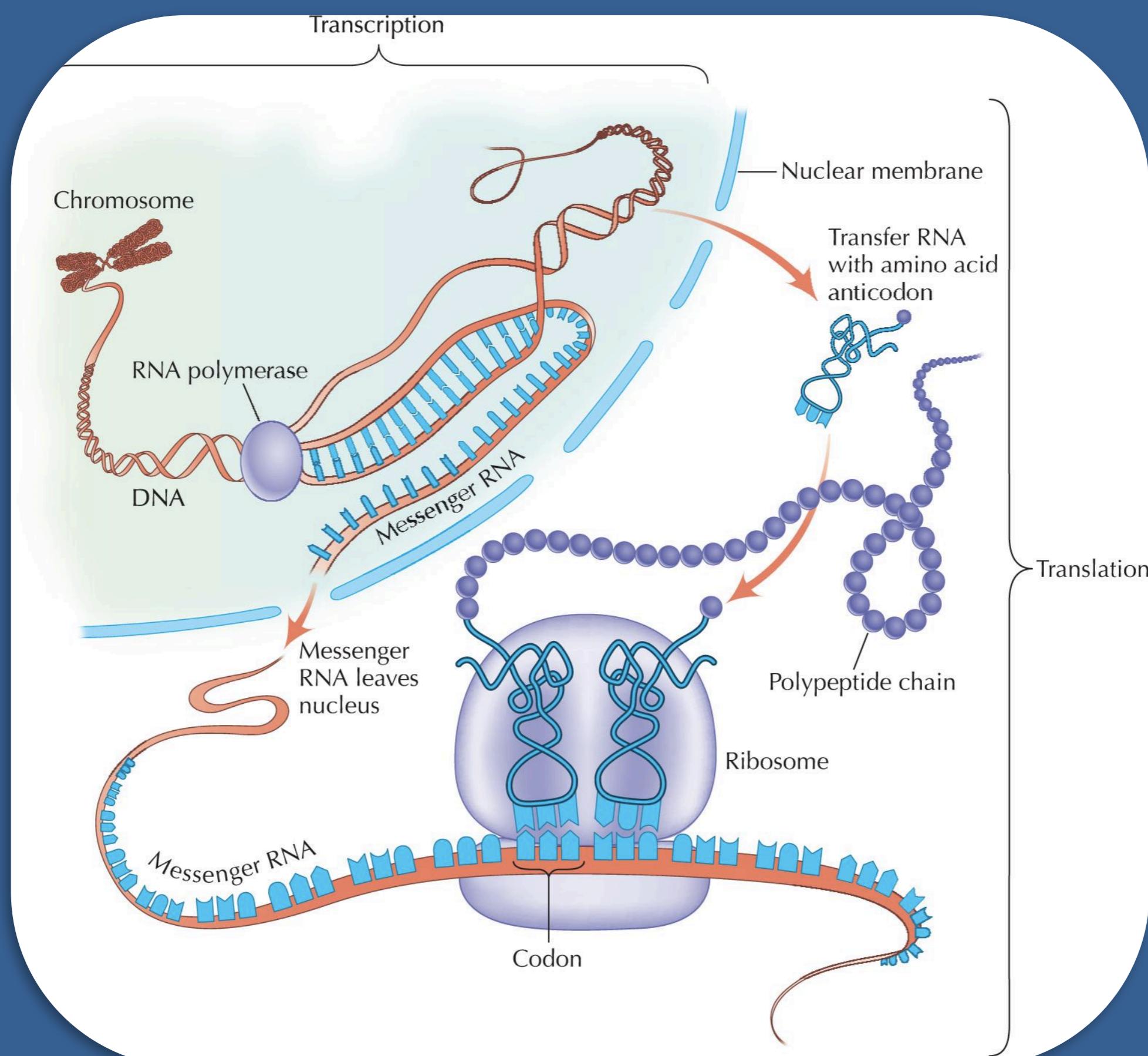
Alphabet: A,C,T,G



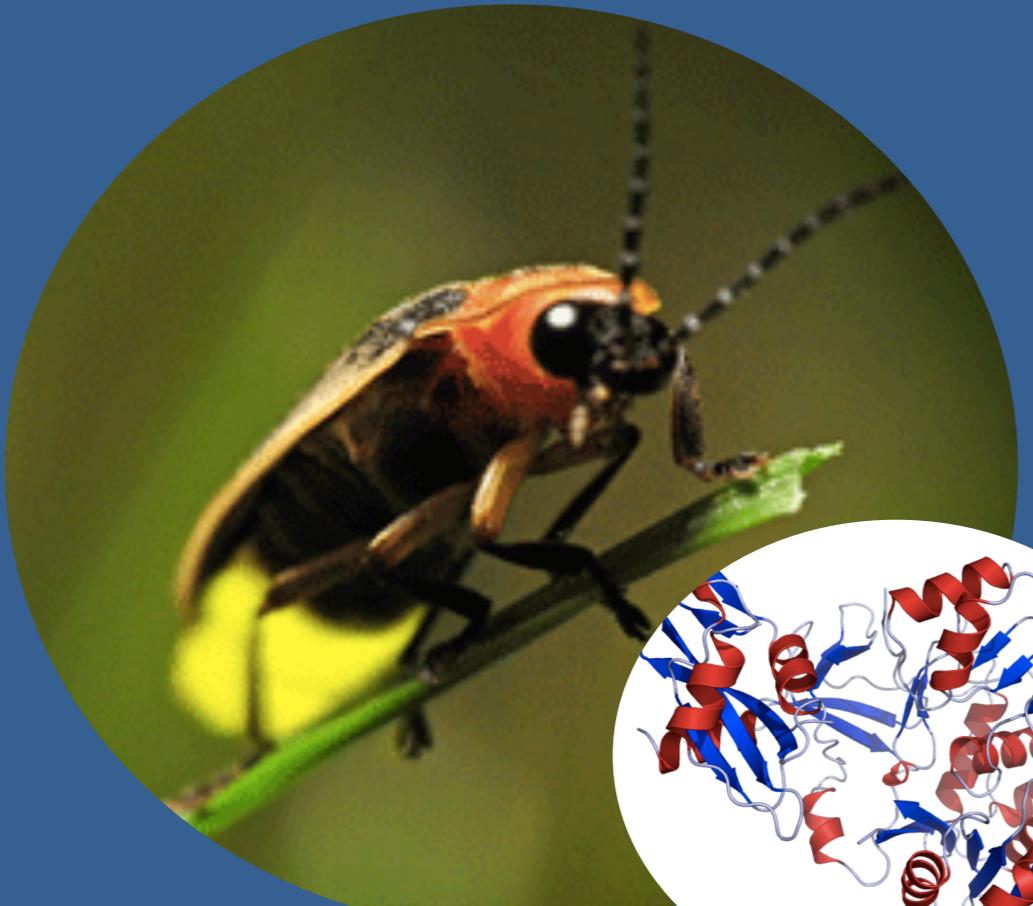
	Second letter				
First letter	U	C	A	G	
U	UUU Phe UUC UUA UUG	UCU Ser UCC UCA UCG	UAC Tyr UAC UAA Stop UAG Stop	UGC Cys UGC Stop UGA Stop UGG Trp	UCA G A G
	CUU Leu CUC CUA CUG	CCU Pro CCC CCA CCG	CAU His CAC CAA CAG	CGU Arg CGC CGA CGG	U C A G
	AUU Ile AUC AUA AUG Met	ACU Thr ACC ACA ACG	AAU Asn AAC AAA Lys AAG	AGU Ser AGC AGA Arg AGG	U C A G
	GUU Val GUC GUA GUG	GCU Ala GCC GCA GCG	GAU Asp GAC GAA Glu GAG	GGU Gly GGC GGA GGG	U C A G

Alphabet: 20 amino-acids

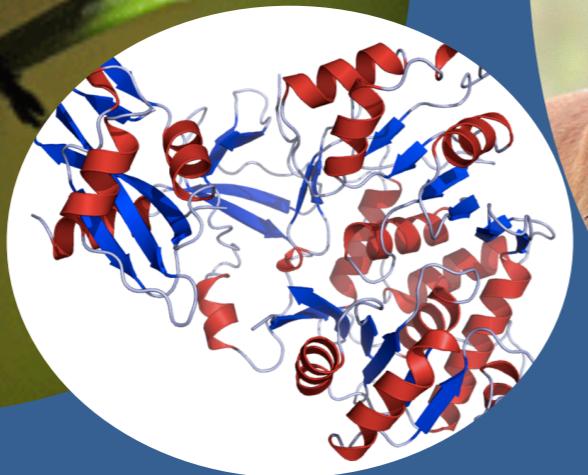
Central Dogma of Biology [/Life]



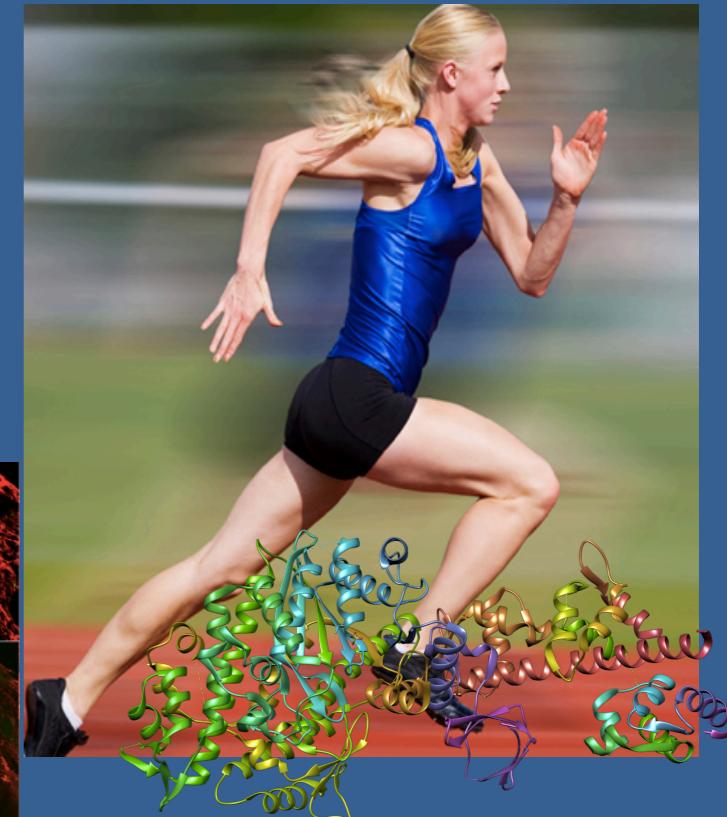
Proteins



Luciferase: *enzyme that makes the abdomen of fireflies glow*



Keratin: *fibrous structural protein that is a key component of hair and nails*



Myosin: *motor protein involved in muscle contraction*

Let's try it out: Exercise 1

What happens if there is a “bug” in the code?



Let's try it out: Exercise 2

Cancer is a disease of the genome.

