

Fill in the blanks of the following nucleotides and use the genetic code (next page) for the correct amino acid.

DNA T G A

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

DNA G C G

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

DNA G A T

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

DNA T A T

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

DNA C G T

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

DNA T T C

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

DNA G T A

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

DNA T C G

mRNA (codon) ___ ___ ___

Protein _____

tRNA (anticodon) ___ ___ ___

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

Third letter

Answers

DNA T G A
mRNA (codon) _A_ _C_ _U_
Protein ___Thr_____
tRNA (anticodon) _U_ _G_ _A_

DNA G C G
mRNA (codon) _C_ _G_ _C_
Protein ___Arg_____
tRNA (anticodon) _G_ _C_ _G_

DNA G A T
mRNA (codon) _C_ _U_ _A_
Protein ___Leu_____
tRNA (anticodon) _G_ _A_ _U_

DNA T A T
mRNA (codon) _A_ _U_ _A_
Protein ___Ile_____
tRNA (anticodon) _U_ _A_ _U_

DNA C G T
mRNA (codon) _G_ _C_ _A_
Protein ___Ala_____
tRNA (anticodon) _C_ _G_ _U_

DNA T T C
mRNA (codon) _A_ _A_ _G_
Protein ___Lys_____
tRNA (anticodon) _U_ _U_ _C_

DNA G T A
mRNA (codon) _C_ _A_ _U_
Protein ___His_____
tRNA (anticodon) _G_ _U_ _A_

DNA T C G
mRNA (codon) _A_ _G_ _C_
Protein ___Ser_____
tRNA (anticodon) _U_ _C_ _G_