

Transcription & Translation Practice

mRNA Codon Key:

UAC = START	UUC = WEARS	UAG = BAND	AGG = BIOLOGY
UAU = ROCK	UGU = BREATH	CUU = ALL	UCA = NIRVANA
AUU = WE	ACG = YOU	UUA = DRESSES	
UUG = MOTHER	GUG = RUBBER	UCG = BEST	
UGG = HAVE	AUC = STOP	UGA = DOG	
UGC = FUNNY	UUU = YOUR	UCU = THE	
UCC = ARE	UAG = BAND	CUG = DEMENTED	
CUC = PUPPIES	CAU = A	ACA = CLASS	

Using the DNA sequences below and the key translate each of the following into a sentence.

1. A T G A A A A A C A A G G T A C A C A T C T A G

2. A T G A A A A A C A A T T G C A C G T A G

3. A T G T A A A C C A C T A C A T A G

4. A T G A G A A T C A G T A G G A G A A G C A T A A T C T A G

5. A T G T A A A G G G A A G A C G A G T A G

6. A T G T A A A G G A G A A G C T C C T G T T A G

Using the genetic code chart in your book on pg. 244 find the amino acid sequences that match each of the following DNA sequences.

7. A T G A A A G T G A A G G T T T A G

8. A T G C C C C G G A A T G A T G C T A G

9. A T G C T A C T C A T A G A T C T G C T T T A G

10. A T G G G G G C T A C T A A A A G T A G