

## DNA Translation/Transcription Practice Worksheet

**Directions:** Convert the DNA template to mRNA. Indicate the mRNA codons. Convert mRNA to tRNA. Indicate the anticodons. Convert mRNA to amino acid sequence using the mRNA codon table. Show the amino acid sequence with “—” between each amino acid as shown in class.

1.  
DNA Template:      TACGGCTACCATATGGAGTTAAGGACT  
mRNA:  
tRNA:

Amino Acid Sequence:

2.  
DNA Template:      TACCCCCAGGAGATAACGTACTACTACATT  
mRNA:  
tRNA:

Amino Acid Sequence:

3.  
DNA Template:      TACCACATATTATTTAAAATAGCGATC  
mRNA:  
tRNA:

Amino Acid Sequence:

4  
DNA Template:      TACTACCATGAGCACTATAAGAACCCAGGTACT  
mRNA:  
tRNA:

Amino Acid Sequence:

5.  
DNA Template:      TACCGCGCGTTTTATAGCCGATTATAGGAGCAGGACATC  
mRNA:  
tRNA:

Amino Acid Sequence: