

Transcription and Translation Practice Worksheet

For each of the following sequences, fill in either the DNA, the mRNA sequence, the tRNA anticodons, or the amino acid sequences that have been left blank. If several sequences might work choose any one.

1. DNA _____
 mRNA AUG ACU AGC UGG GGG UAU UAC UUU UAG
 tRNA _____
 AA _____

2. DNA TAC CGC TCC GCC GTC GAC AAT ACC ACT
 mRNA _____
 tRNA _____
 AA _____

3. DNA _____
 mRNA _____
 tRNA UAC CAC CCC CGU AUG GCU GGG AAU AUC
 AA _____

4. DNA _____
 mRNA _____
 tRNA _____
 AA MET ARG GLY PHE PHE MET VAL GLY (STOP)

5. DNA TAC _____ATG_____
 mRNA _____UGUGAU_____
 tRNA _____CUC_____UUG_____AUU
 AA _____ALA_____PRO_____