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   A U G   A C U   A G C   U G G   G G G   U A U   U A C   U U U   U A G

    tRNA   _____ __

    AA   _____

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

    mRNA   _____ _

    tRNA   _____ _

    AA   _____ _

3. DNA   _____

    mRNA   _____ __

    tRNA   U A C   C A C   C C C   C G U   A U G   G C U   G G G   A A U   A U C

    AA   _____ __

4. DNA   _____

    mRNA   _____

    tRNA   _____

    AA   MET   ARG   GLY   PHE   PHE   MET   VAL   GLY   (STOP)

5. DNA   T A C _____A T G_____

    mRNA   _____U G U   G A U _____

    tRNA   _____C U C _____U U G_____A U U

    AA   _____   ALA _____ PRO _____