

# Transcription and Translation Worksheet

Name \_\_\_\_\_

Hour \_\_\_\_\_ Date \_\_\_\_\_

For each of the following sequences, fill in either the DNA, the mRNA sequence, the rRNA 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 \_\_\_\_\_