

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 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 _____