## Transcripton and Translation Worksheet

Name ANSWER KEY

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.

- I. DNA TAC TGA TCG ACC CCC ATA ATG AAAATC

  mRNA AUG ACU AGC UGG GGG UAU UAC UUU UAG

  uRNA UAC UGA UCG ACC CCC AUA AUG AAA AUC

  AA MET THR SER TRY GLY TYR PHE STOP
- 2. DNA TACCGC TCCGCCGTCGACAAT ACCACT

  MRNA AUG GCG AGG CGG CAG CUG UUA UGG UGA

  IRNA UAC CGC UCC GCC GUC GAC AAU ACC ACU

  AA MET ALA ARG ARG GLU LEU TRY STOP
- 3. DNA TAC CAC CCC CGT ATG GCT GGG AAT ATC

  mRNA AUG GUG GGG GCA UAC CGA CCC UUA UAG

  tRNA UAC CAC CCC CGU AUG GCU GGG AAU AUC

  AA MET VAL GLY ALA TYR ARG PRO LEU STOP

SEVERAL POSSIBILITIES

- TAC TCT CCC AAA AAA TAC CAC CCC ATC DNA. AUG AGA GGG UUU UUU AUG GUG GGG UAG maRNA. UAC UCU CCC AAA AAA UAC CAC CCC AUC sRINA. AA MORE AJROGE CHLYC PHIE PHON NUMBER WORLD CHLAY: (STOP)
- 5. DNA TAC CTC ACA CTA CGC ATG TTG GGG ATT

  MRNA AUG GAG UGU GAU GCG UAC AAC CCC UAA

  IRNA UAC CUC ACA CUA CGC AUG UUG GGG AUU

  AA MET Glu A CYS ASP A ALA TYR ASP PRO STOP

# **Answer Key To Transcription And Translation**

**LL Leslie** 

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