

Name answer key Date _____

TRANSCRIPTION & TRANSLATION

Read each sequence of DNA and transcribe it to RNA. Take that sequence of RNA and translate it into a sequence of amino acids.

DNA	T A C G C G G T G A A A T A T G T C A T T
mRNA	A U G C G C C A C U U U A U A C A G U A A
AA	Met Arg His Phe He Glu STOP

DNA	T A C G C G G T G A A A T A T G T C A T T
mRNA	T A C G C G G T G A A A T A T G T C A T T
AA	Mn Arg Arg He Ser Val STOP

DNA	T A C G C G G T G A A A T A T G T C A T T
mRNA	T A C G C G G T G A A A T A T G T C A T T
AA	Met Gly Lex Trp Fyr Pro STOP

DNA	T A C T C T C C C A A A A A A T A C C A C C C C A T C
mRNA	A U G A G A G G G U U U U U U A U G G U G G G G U A G
AA	Met Arg Gly Phe Phe Met Val Gly STOP