

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