

Protein Synthesis Practice – **KEY** Plan Using your knowledge of transcription and translation.

Biology 12
M. Johnston

Name: _____
Block: ___ Due: _____

DNA	T	A	C	T	T	C	A	A	A	C	C	G	C	G	T	A	A	C	T	G	G	T	G	T	A	T	G	A	T	T
mRNA	A	U	G	A	A	G	U	U	U	G	G	C	G	C	A	U	U	G	A	C	C	A	C	A	U	A	C	U	A	A
tRNA	U	A	C	U	U	C	A	A	A	C	C	G	C	G	U	A	A	C	U	G	G	U	G	U	A	U	G	A	U	U
aa	MET _[start]			LYS			PHE			GLY			ALA			LEU			THR			THR			TYR			STOP		

DNA	A	T	G	C	A	T	C	A	G	A	A	T	A	A	A	G	A	T	G	A	A	C	G	G	A	G	T	T	A	G
mRNA	U	A	C	G	U	A	G	U	C	U	U	A	U	U	U	C	U	A	C	U	U	G	C	C	U	C	A	A	U	C
tRNA	A	U	G	C	A	U	C	A	G	A	A	U	A	A	A	G	A	U	G	A	A	C	G	G	A	G	U	U	A	G
aa	MET _[start]			VAL			VAL			LEU			PHE			LEU			LEU			ALA			SER			ISO		

DNA	T	T	A	T	A	C	A	A	A	G	A	C	A	A	C	T	A	A	C	A	T	A	C	T	T	T	A	T	G	C
mRNA	A	A	U	A	U	G	U	U	U	C	U	G	U	U	G	A	U	U	G	U	A	U	G	A	A	A	U	A	C	G
aa	ASP			MET			PHE			LEU			LEU			ILE			VAL			STOP								

DNA	T	A	C	C	A	?	C	G	?	C	T	?	C	T	?	C	C	?	G	C	?	T	T	?	A	C	C	A	?	?
mRNA	A	U	G	G	U	?	G	C	?	G	A	?	G	A	?	G	G	?	C	G	?	A	A	?	U	G	G	U	?	?
tRNA	U	A	C	C	A	?	C	G	?	C	U	?	C	U	?	C	C	?	G	C	?	U	U	?	A	C	C	A	?	?
aa	*Met			Val			Ala			Asp			Glu			Gly			Arg			Lys			Trp			STOP		

DNA	T	A	C	G	G	T	T	C	A	T	C	C	A	T	T	G	G	T	A	A	A	T	A	C	C	A	G	A	C	T
mRNA	A	U	G	C	C	A	A	G	U	A	G	G	U	A	A	C	C	A	U	U	U	A	U	G	G	U	C	U	G	A
tRNA	U	A	C	G	G	U	U	C	A	U	C	C	A	U	U	G	G	U	A	A	A	U	A	C	C	A	G	A	C	U
aa	MET			PRO			SER			ARG			STOP																	