

TRANSCRIPTION & TRANSLATION
QUESTION

1) Consider the following eukaryotic gene with its mRNA. The indicated sequences are bases:

5' ATGGCCGCGTGGTCCGCTGGTGGTGGCCTGGCTGGGCTGGTGGTGGGTTGCTGGTGGGCTGGGCTGGTGGG 3'

a) When ribosomes attach to go through to translate a source mRNA?

b) What is the role of AUGGAA?

2)

Process:	Starting mRNA site (three bases)	How mRNA site identified	Polysomes or processing occur?
Replication			
Transcription - RNA			
splicing			

3a) In prokaryotes, replication and transcription occur in which part of the cell?

3b) In Eukaryotes, replication and transcription occur in which part of the cell?

4) For the following in DNA, the bottom strand is the template strand