(7) Transcription and Translation

Objectives:

1. Compare and contrast:
    a. Transcription and DNA replication
    b. DNA and RNA
    c. DNA polymerase and RNA polymerase
2. Transcription: Details of process including start and stop sites, components, and application
3. Coupling of transcription and translation
4. Difference between prokaryotic and eu

A	isoleucine	threonine	asparagine	serine	C
	isoleucine	threonine	lysine	arginine	A
	isoleucine methionine	threonine	lysine	arginine	G
G	valine	alanine	aspartate	glycine	U
	valine	alanine	aspartate	glycine	C
	valine	alanine	glutamate	glycine	A
	valine	alanine	glutamate	glycine	G

DNA Sequence:

1. ATGAAAAACAAGGTACACATCTAG

mRNA:

amino Acids:

2. ATGAAAAACAATTGCACGTAG

mRNA:

amino Acids:

3. ATGTAAACCACACTACATAG

mRNA:

amino Acids:

4. ATGAGAAGTAGGAGAAGCATAATCTAG

mRNA:

amino Acids:

5. ATGATTCAACACATCCAGCCACATTAG

mRNA:

amino Acids:

6. ATGCCCCCGAGAAGCCTTAG

mRNA:

amino Acids:

7. ATGCGACGCCGGCGTAG

mRNA:

amino Acids:

8. ATGCTACTCATAGATCTGCTTTAG