

TABLE OF CONTENTS

PROTEIN SYNTHESIS

Learning Outcomes Review Questions	4
Practice Test 1 - Protein Synthesis Overview	4
DNA	5
Learning Outcomes Review Questions	7
Practice Test 2 - DNA Structure	7
RIBONUCLEIC ACIDS (RNAs)	8
Messenger RNA (mRNA)	8
Learning Outcomes Review Questions	10
Practice Test 3 - Messenger RNA (mRNA)	10
Ribosomal RNA (rRNA)	11
Learning Outcomes Review Questions	12
Practice Test 4 - Ribosomal RNA (rRNA)	12
Transfer RNA (tRNA)	13
Practice Test 5 - Transfer (tRNA)	15
TRANSCRIPTION	16
Transcription	16
Learning Outcomes Review Questions	18
Practice Test 6 - Transcription	18
TRANSLATION	19
Initiation	19
Learning Outcomes Review Questions	20
Practice Test 7 - Initiation (Translation)	20
Elongation	21
Learning Outcomes Review Questions	25
Practice Test 8 - Elongation (Transcription)	25
Termination	26
Learning Outcomes Review Questions	27
Practice Test 9 - Termination (transcription)	27
STEP-BY-STEP PRESENTATION OF TRANSLATION OF mRNA WITH SEVEN CODONS	28
Initiation	28
Start of Elongation - Codon #2	29
Elongation - Codon #3	30
Elongation - Codon #4	31
Elongation - Codon #5	32
Elongation - Codon #6	33
Termination - Codon #7	34
TRANSLATION STEP-BY-STEP SUMMARY	35
TRANSCRIPTION AND TRANSLATION	36
POLYRIBOSOME	37
COPYRIGHT AND PRODUCT DETAILS	39