

plasmid cloning vector inserted normal gene

(A)



STRAND
SEPARATION



—GOC—

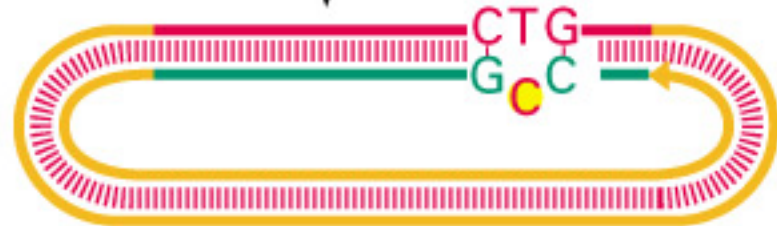
synthetic oligonucleotide
primer containing desired
mutated sequence

(B)



STRAND COMPLETION
BY DNA POLYMERASE
AND DNA LIGASE

(C)



INTRODUCTION INTO CELLS FOLLOWED
BY REPLICATION AND SEGREGATION
INTO DAUGHTER CELLS

(D)

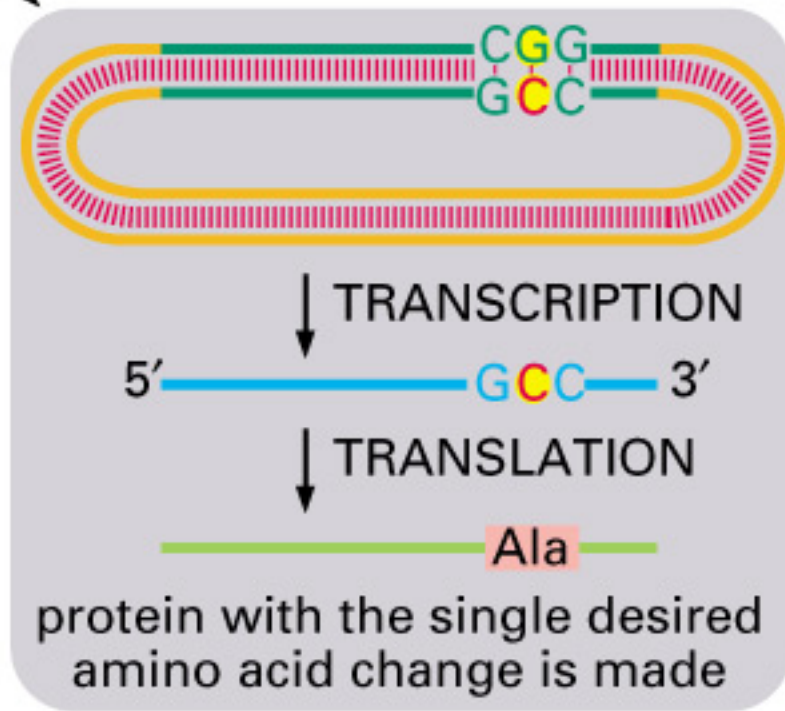
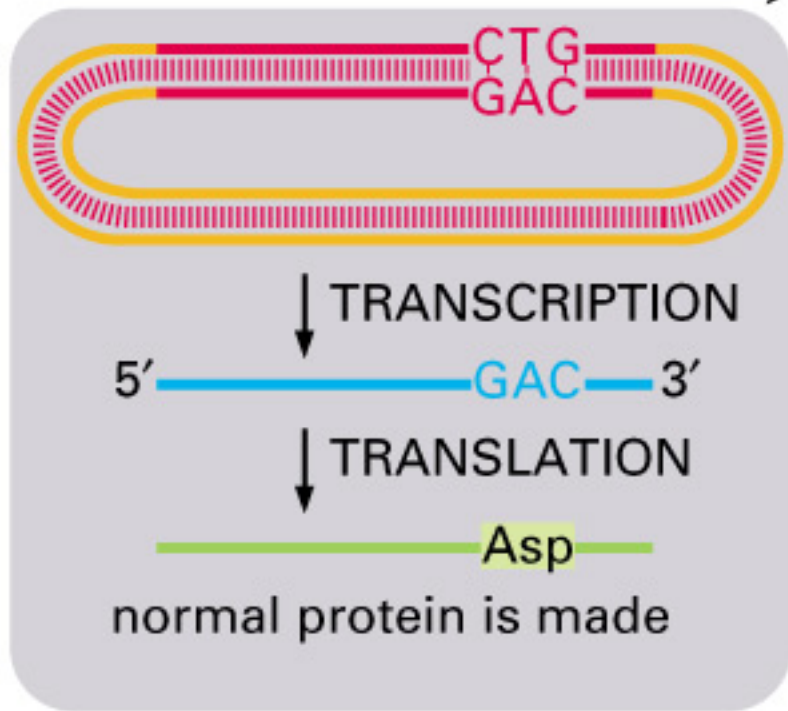


Figure 8–69 part 2 of 2. Molecular Biology of the Cell, 4th Edition.