

# Transcription and Translation

18. (a) Label the diagram below, using the following word list:

amino acid

mRNA (transcription)

ribosome

anticodon

mRNA (translation)

RNA polymerase

codon

nuclear membrane

tRNA with amino acid

cytoplasm

nucleus

tRNA without amino acid

DNA - coding strand

nucleotide

transcription

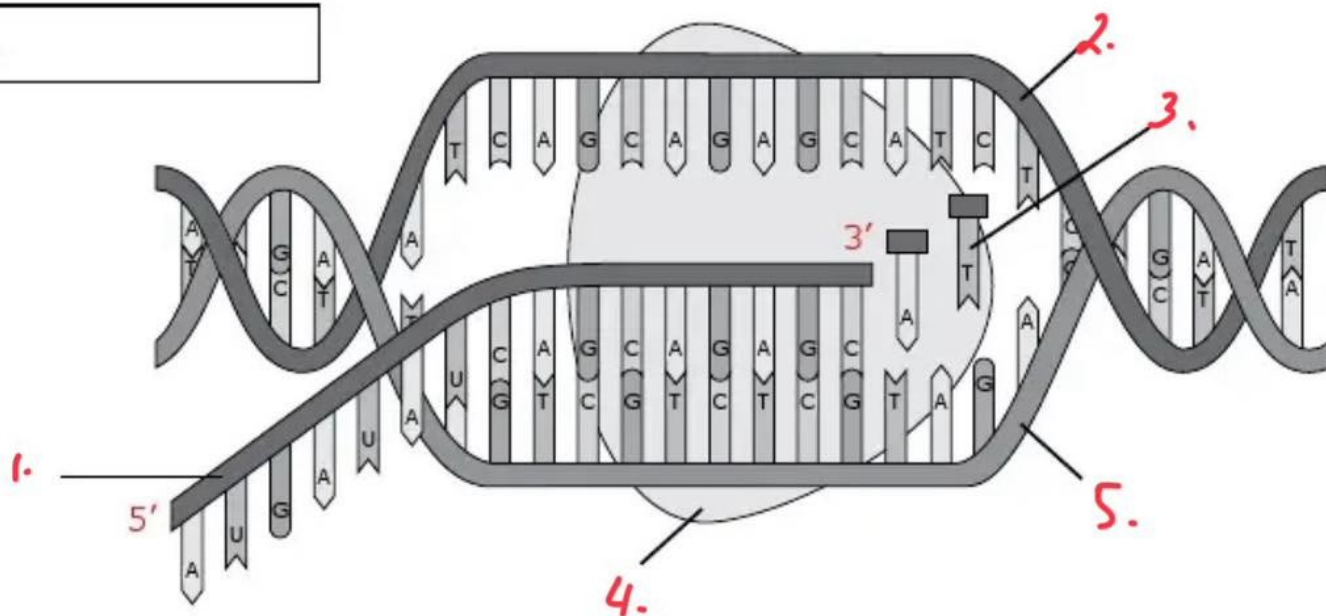
DNA - template strand

peptide

translation

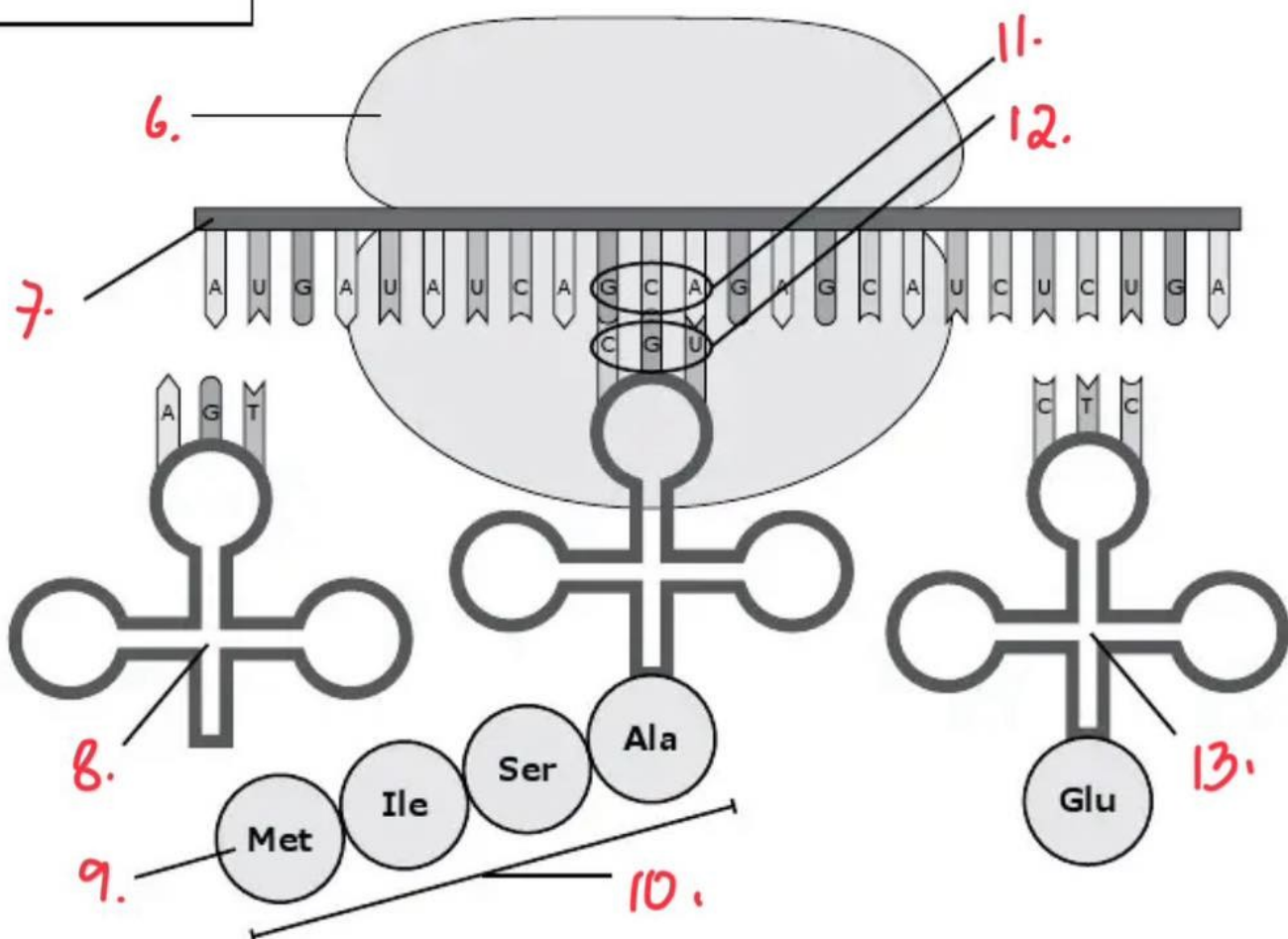
(b) Label the 5' and 3' ends of all DNA and RNA strands

A.



B.

C.



D.