

Example:

DNA Non-template Strand TAC - GGA - CAG - GCG - CCG

DNA Template Strand **ATG - CGT - GTC - CGC - GGC** **(Transcription)**

mRNA **UAC - GCA - CAG - GCG - CCG**

tRNA **AUG - CGU - GUC - CGC - GGC** **(Translation)**

Protein **methionine - alanine - glutamine - alanine - proline** **(Protein Synthesis)**

Problem #1:

DNA Non-template Strand TAC – TAA – TAT – GGG – CTC

Problem #2:

DNA Non-template Strand TAC – GGA – CAT – CGT – TCA

Problem #3:

DNA Non-template Strand TAC – TGT – GAT – AAC – GGG

Problem #4:

DNA Non-template Strand TAC – GCT - CAA – CAC - GGT