

DNA Translation and Protein Synthesis

1. For the following strands of DNA write out the corresponding RNA strand.

T A C T T C G A G T A C C A T A T T

T A C A T G G C T A G T C T G A T T

2. For the template strand of DNA listed below write out the RNA strand and the polypeptide encoded by the strand.

Once you have transcribed the strand - look for the start codon - start translating there and continue until there is a stop codon.

G T A G C G T A C A G C T G A C G A A C G T G C A T T G C G A C G

3. For the following RNA strand - write the corresponding DNA that would have served as a template for it.

A U G C G G U A C U A C G G U