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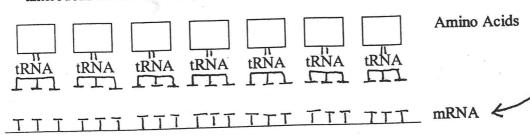
DNA and Protein Synthesis

Amino Acid	DNA code	mRNA code	tRNA code
alanine arginine histidine lysine proline tyrosine	CGG TCT GTA TTT GGG ATA	GCC AGA CAU AAA CCC UAU	CGG UCU GUA UUU GGG AUA
valine	CAT	GUA	CAU

Given the DNA strand:

GTAATAGGGCATCGGTCTTTT

- 1. Give the bases on this opposite strand of DNA.
- 2. Show the bases on the mRNA formed from the given DNA strand.
- 3. Now copy your mRNA from #2 above on the line below. Then show what the anticodons on the tRNAs would be and the amino acids they would be carrying.



- 4. Please show the protein formed in #3.
- Please give the DNA code for the following protein.
 proline-proline-tyrosine-arginine-valine-lysine-histidine