Biology Assignment 4:

1. Compare and contrast the structure of tRNA and mRNA.

tRNA carries amino acids to the ribsome, mRNA carries the genes message to the ribosome

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tRNA is made in the process of transcription, mRNA is made in translation

2. The function of tRNA is to bring the code from the gene in the nucleus to the ribosome.

True

False

3. The anti-codon is found at the end of the mRNA. It represents the amino acid in the amino acid table

True

False

4. Which mRNA codon usually signals the beginning of protein synthesis?

TAC

UAC

AUG

5. How are amino acids joined together to form a protien?

covalent bonds

hydrogen bonds

ionic bonds

James Bond 007

Peptide bonds

6. Which anticodon bonds with the mRNA codon CCA? Which amino acid does tRNA carry? HINT: use the amino acid table.

CCA; proline

GGT; proline

GGU; proline

GGA; Glycine

7. The function of a stop codon is to stop the assembly of amino acids in the building of a protein.

True

False