

Protein Synthesis Worksheet

Day: _____ Name: _____

Directions:

- 1. Use the DNA code to create your mRNA code.
- 2. Use the mRNA code to create your tRNA code.
- 3. Use the mRNA code and the Genetic Code to determine your amino acids.
- 4. Answer any questions by circling the correct underlined answer.

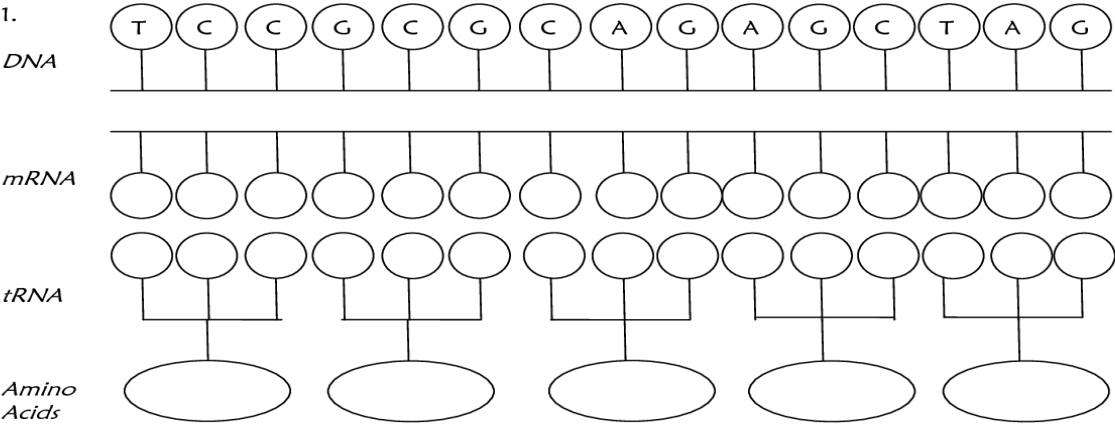
1.

DNA

mRNA

tRNA

Amino Acids



2. mRNA is made during (transcription/translation).

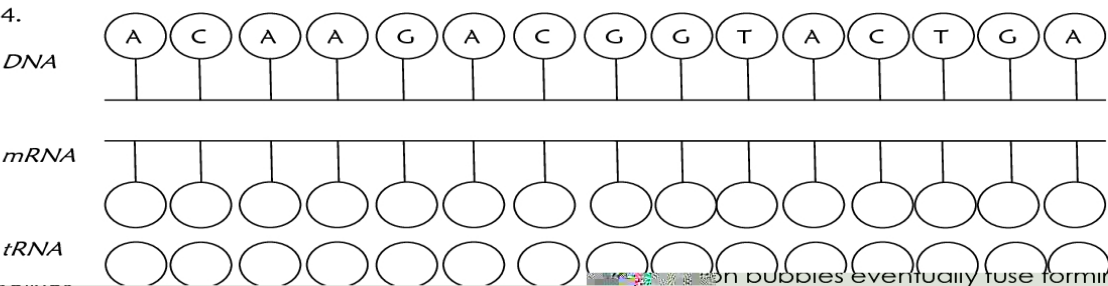
3. mRNA is made in the (cytoplasm/nucleus).

4.

DNA

mRNA

tRNA



- enter neixes.
- ter helixes have one old strand from
e "proofreads" replicated DNA.
- of DNA.
8. DNA replication is semi-conservative b/c daugh
parent and one new strand each. DNA polymeras
9. One gene can only code for one polypeptide.
10. Transcription = synthesis of RNA under direction
Translation = actual synthesis of the polypeptide ui