

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

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

mRNA

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

tRNA

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

Amino Acids

○ ○ ○ ○ ○

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

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

4.

DNA

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

mRNA

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

tRNA

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○

Amino Acids

○ ○ ○ ○ ○