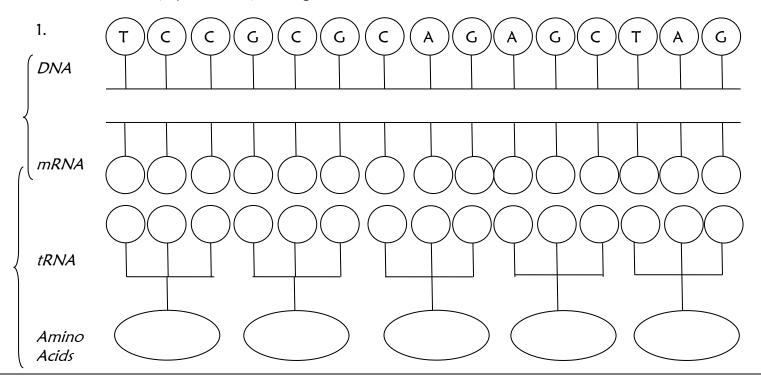
Protein Synthesis Worksheet

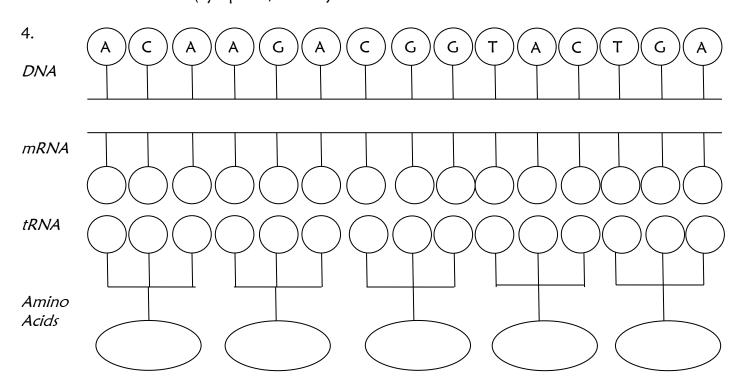
Name:	Date:	Period

Directions:

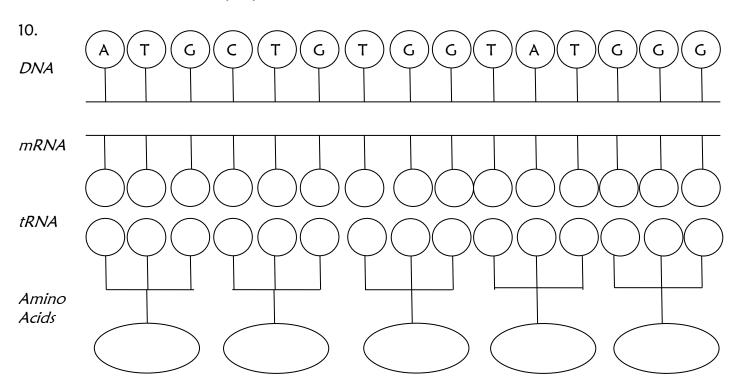
- 1. Use the DNA code to create your mRNA code.
- 2. Use the mRNA code to create your tRNA code.
- 3. Use the mRNA code and the Genetic Code to determine your amino acids.
- 4. Answer any questions by circling the correct answer.



- 2. mRNA is made during (transcription/translation).
- 3. mRNA is made in the (cytoplasm/nucleus).



- 5. DNA is located in the (nucleus/cytoplasm)
- 6. (mRNA/rRNA) is used to carry the genetic code from DNA to the ribosomes.
- 7. (tRNA/rRNA) makes up the ribosome.
- 8. (DNA/RNA) uses uracil instead of thymine.
- 9. (RNA/amino) acids make up a protein.



- 11. Transcription takes place in the (nucleus/cytoplasm).
- 12. tRNA is used in (translation/transcription).
- 13. tRNA uses (anticodons/codons) to match to the mRNA.
- 14. Proteins are made at the (nucleus/ribosome).
- 15. (tRNA/mRNA) attaches the amino acids into a chain.
- 16. tRNA is found in the (nucleus/cytoplasm).
- 17. (Translation/Transcription) converts mRNA into a protein.
- 18. Translation takes place in the (cytoplasm/nucleus).
- 19. (DNA/RNA) can leave the nucleus.
- 20. (Translation/Transcription) converts DNA into mRNA.