



Protein Synthesis



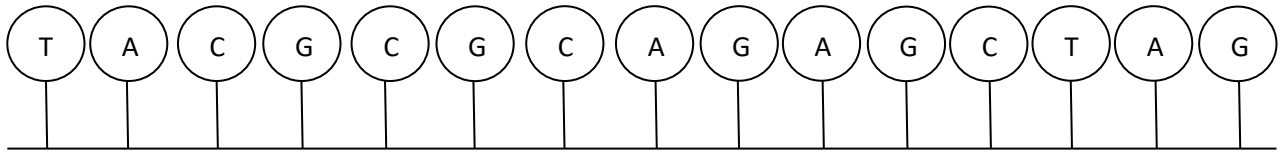
Practicing Transcription & Translation

Name: _____ Date: _____ Block: _____

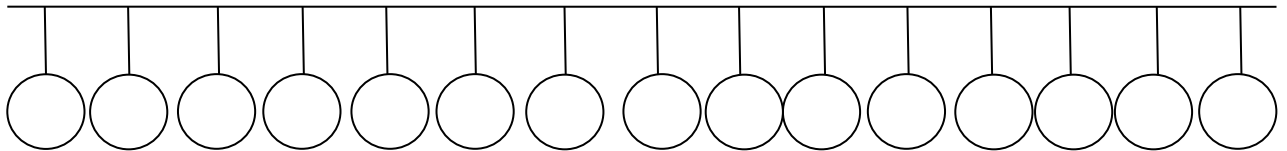
Directions:

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

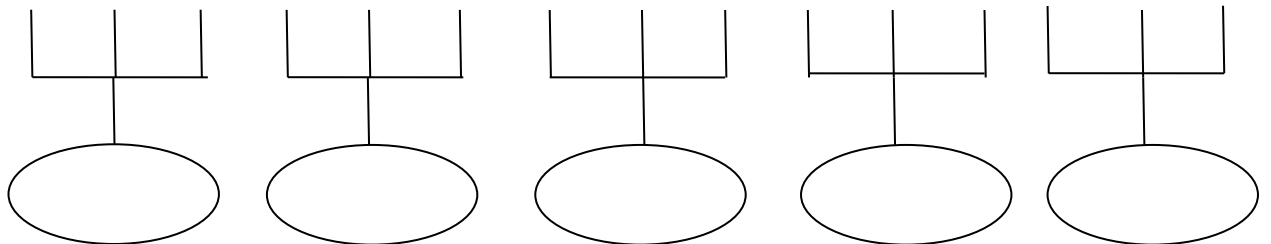
1.
DNA



mRNA



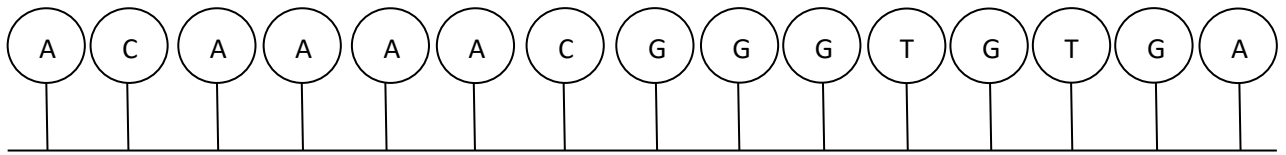
**tRNA
amino
acids**



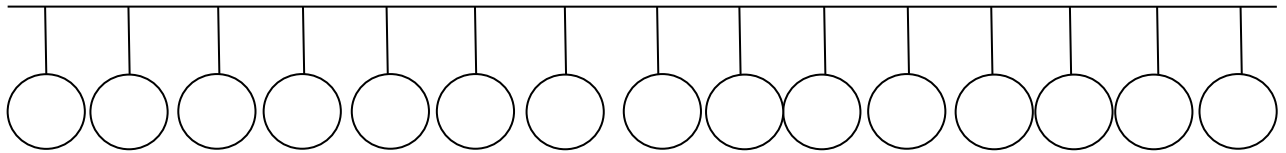
2. **mRNA** is made during (transcription / translation).
3. **mRNA** is made in the (cytoplasm / nucleus).
4. **DNA** is located in the (nucleus / cytoplasm).
5. (mRNA / rRNA) is used to carry the genetic code from DNA to the **ribosome**.
6. (tRNA / rRNA) make up the **ribosome**.
7. (DNA / RNA) uses **uracil** instead of **thymine**.
8. (RNA / amino) acids make up proteins.
9. **Transcription** takes place in the (nucleus / cytoplasm)
10. **tRNA** is used in (translation / transcription)
11. **tRNA** uses (anticodons / codons) to match the mRNA.
12. **Proteins** are made at the (nucleus / ribosome)

13.

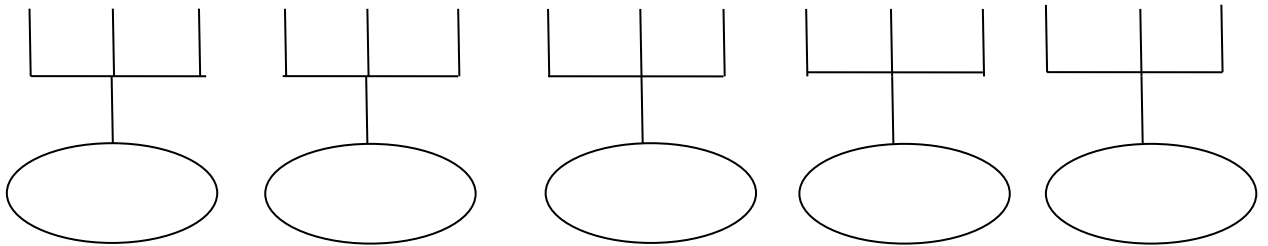
DNA



mRNA



**tRNA
amino
acids**



14. (tRNA / mRNA) brings **amino acids** to the **ribosome**.

15. **tRNA** is found in the (nucleus /cytoplasm).

16. (Transcription / Translation) converts **mRNA** into a **protein**.

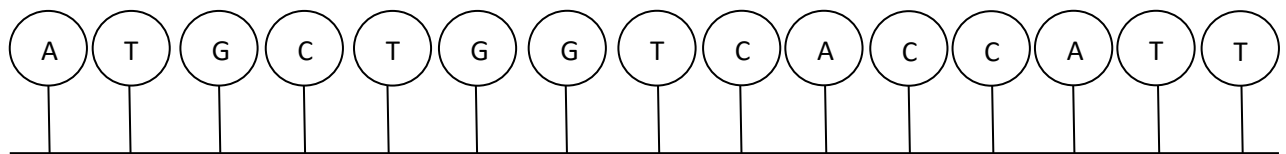
17. **Translation** takes place in the (cytoplasm / nucleus).

18. (DNA / RNA) can **leave** the nucleus.

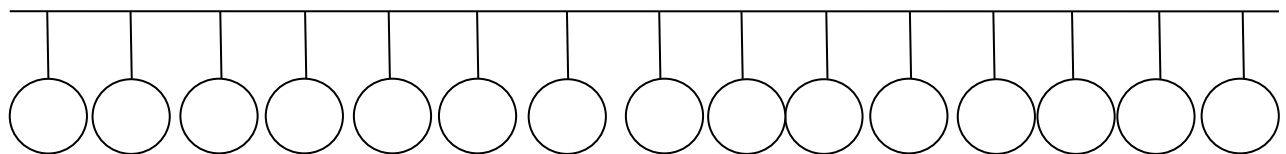
19. (Translation / Transcription) converts DNA into mRNA.

20.

DNA



mRNA



**tRNA
amino
acids**

