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| --- | --- | --- |
| Compare & Contrast RNA to DNA (10 pts) | List the and Describe three (3) types of mutations (30 pts) | Define the term Transcription  Define the term Translation  ( 10 points) |
| Explain the relationship between the following terms:  Replication, Transcription and  Translation  (DRAW a detailed explanation)  (30 points) | **Explain “how genetic information is stored and transmitted? (10 pts)**  **&**  **Compare/Contrast a**  **DNA/Gene/Chromosome**  **(10 points)** | Create a the complementary strand of DNA and mRNA for  **CTTACGATTACTTA**  **(10 pts)**  **DNA \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **mRNA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |
| Compare & Contrast Mutations to Mutagens and give examples of each. (20 pts) | What are the codons, what are anticodons?  (10 pts) | Write a story about how a protein was synthesized. Take me step by step through the process. (20 pts. |

Each student has to complete a minimum of 3 in a row, diagonal or column. You MAY NOT skip around and just pick 3.

The grade is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/out of 50 points

You are allowed to go 10 points above the 50 points. Those additional points will be added to another assignment or replace a smaller missing assignment from THIS unit.