|  |  |  |
| --- | --- | --- |
| Compare & Contrast RNA to DNA (10 pts) | List the and Describe three (3) types of mutations (30 pts) | Define the term TranscriptionDefine 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.