Stagger 3 sheets of paper, so that there is approximately 1” between each sheet.

Fold the sheets over vertically (“hot dog style”) to create a foldable with 6 panels.

Label your 6 Panels for ***each*** of the 3 Processes, using the table below as a guide:

|  |  |  |
| --- | --- | --- |
| **DNA Replication** | **Transcription** | **Translation** |
| Nitrogen Bases Used | Nitrogen Bases Used | Nitrogen Bases Used |
| Enzymes Used/Location | Enzymes Used/Location | RNA & Organelle used/Location |
| Final Product | Final Product | Final Product |
| Purpose (or “significance”) | Purpose | Purpose |
| SAMPLE PROBLEMS! | | |

Complete each section with the appropriate information.

Sample Problems: **Write the problem** and then show your work!

* 1. DNA Replication: Use this template strand to create the **complementary DNA strand**.
     1. ATG CTA GCG ATC GAC TAG
  2. Transcription: Use this strand of DNA to create a strand of complementary **mRNA**.
     1. TAC GCG CTC GAT CGA AAT
  3. Translation: Give the amino acid sequence for the following sequence of mRNA.
     1. AUG UCA AAC GAU CUC UGA