AP Bio 12 Central Dogma Review Dogma Doctor:

Use the following words to create a concept map on a whiteboard. Be sure to add in any extra definitions, explanations or processes you need to fully map out the Central Dogma.

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| --- | --- | --- | --- | --- | --- |
| **DNA** | **RNA** | **PROTEIN** | **REPLICATION** | **TRANSCRIPTION** | **TRANSLATION** |
| **ELONGATION** | **TERMINATION** | **POINT MUTATION** | **INITIATION** | **TOPOISOMERASE** | **HELICASE** |
| **DNA POL I** | **DNA POL III** | **RNA POL II** | **SSBP** | **BASE PAIRING** | **CHARGAFF'S RULE** |
| **STOP CODON** | **PROMOTOR** | **LIGASE** | **NUCLEASE** | **TELOMERES** | **TELOMERASE** |
| **LAGGING STRAND** | **OKAZAKI FRAGMENTS** | **RIBOSOME** | **A SITE** | **P SITE** | **E SITE** |
| **LARGE SUBUNIT** | **MRNA** | **TRNA** | **RRNA** | **TATAAAA BOX** | **TEMPLATE STRAND** |
| **T** | **A** | **U** | **C** | **G** | **INTRONS** |
| **5' CAP** | **POLY A TAIL** | **SPLISOSOME** | **SNRPS** | **SRP PROTEIN** | **NUCELUS** |
| **PROKARYOTE** | **EUKARYOTE** | **POLYRIBOSOME** | **RER** | **POLYPEPTIDE** | **AMINOACYL TRNA SYNTHASE** |
| **FRAMESHIFT MUTATION** | **ENZYMES** | **RNA PRIMASE** | **START CODON** | **LEADING STRAND** | **SMALL SUBUNIT** |
| **NON TEMPLATE STRAND** | **EXONS** | **CYTOPLASM** | **AMINO ACID** |  |  |

