DNA & Protein Synthesis Quiz Retake Assignment:

You must complete and turn in this assignment at 100% accuracy before I will allow you to retake the quiz for max 70% credit. Retakes must be completed by 11/20.

1. **DEFINE THE FOLLOWING VOCAB WORDS:**

* DNA replication
* Helicase
* DNA polymerase
* Semi-conservative replication
* Nucleotide
* Nucleus

1. **USE THE ALL OF THE VOCAB WORDS FROM QUESTION 1 IN YOUR EXPLANATION OF HOW DNA IS SYNTHESIZED. HIGHLIGHT OR CIRCLE THE VOCAB WORDS WHEN YOU USE THEM.**
2. **DRAW A NUCLEOTIDE AND LABEL THE THREE PARTS.**
3. **DRAW TWO NUCLEOTIDES BONDED TOGETHER ON THE SAME STRAND AND HIGHLIGHT/CIRCLE THE BACKBONE. WHAT TWO COMPONENTS MAKE UP THE BACKBONE OF NUCLEIC ACID MOLECULES?**
4. **DEFINE THE FOLLOWING VOCAB WORDS:**

* Synthesis
* Transcription
* mRNA
* Uracil
* RNA polymerase
* Ribosome
* tRNA
* amino acid
* translation
* polypeptide
* protein

1. **USE THE ALL OF THE VOCAB WORDS FROM QUESTION 5 IN YOUR EXPLANATION OF HOW PROTEIN IS SYNTHESIZED. HIGHLIGHT OR CIRCLE THE VOCAB WORDS WHEN YOU USE THEM.**
2. **EXPLAIN WHY DNA REPLICATION IS NOT NECESSARY FOR PROTEIN SYNTHESIS TO OCCUR.**