**WORKSHEET**

**First, you should study the information from the biology lesson in English and then be able to do the following activities.**

**1. Which Title Fits Best?**

1. How DNA replication is like linking hands with a friend

2. The secret code of Genetic Code Table: Decoding our body’s instructions

3. Understanding the Central Dogma of Biology: Replication, Transcription, and Translation

**2. TRUE or FALSE?**

The Central Dogma of Biology explains how our body’s information is used to build proteins.

In mRNA, the letter T is used instead of U.

Proteins are made up of chains called polypeptides.

**3. Choose the correct answer**

i) How is the information in DNA used to make proteins?

A. Ribosomes read specific mRNA strands, which carry data from the coding DNA regions, and use tRNA to bring in the right amino-acids for peptide synthesis.

B. DNA is immediately translated into a protein using a special code.

C. DNA connects building blocks called ribonucleotides to a DNA strand.

D. Proteins are translated to mRNA strands.

ii) How does Transcription work?

A. It creates a special messenger note called mRNA from a DNA instruction book.

B. It connects building blocks called ribonucleotides to a DNA strand.

C. It builds proteins by connecting amino acids.

D. It matches the right puzzle pieces to create a stable structure.

iii) What signals the start of the translation process?

A. AUG

B. UGA

C. UAA

D. UAG

**4) Answer the questions below:**

a) What happens during replication?

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b) How do ribosomes read the information in mRNA during translation?

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