

Name answer key Date _____

DNA, RNA, & PROTEIN SYNTHESIS

Use your notes and book to answer the following questions concerning Replication, Transcription, and Protein Synthesis.

Define the following terms!

REPLICATION

The process by which DNA is duplicated before a cell divide

TRANSCRIPTION

The process by which a molecule of DNA is copied into a complimentary strand of mRNA

TRANSLATION

Process in which a message carried by messenger RNA is decoded into a polypeptide chain

Break the following DNA sequence into triplets. (Draw a line to separate triplets)

T A C | G T G | A G A | C G C | C T A | T T G | G G G | A C C | A A A | C T C | A A G | C C C | T C T

If the above code showed the based DNA , what would the mRNA sequence be?

A U G C A C U C U G C C G A U A A C C C U G G U U U G A G U U C G G G A G A

Translate your mRNA into amino acid sequence!

M H S A D N P W F E F G R