

Biology 30 DNA Replication and Protein Synthesis

DNA ½ Strand: TAC AAT ATG ACC GAT TCG GAT TTT CGG ATT

Complementary DNA: ATG TTA TAC TGG CTA AGC CTA AAA GCC TAA

mRNA (use 1st DNA): **AUG UUA UAC UGG CUA AGC CUA AAA GCC UAA**

tRNA: UAC AAU AUG ACC GAU UCG GAU UUU CGG AUU

Amino Acid Sequence: met – leu – tyr – trp – leu – ser – leu – lys – ala – stop

DNA ½ Strand: TAC TAG GTA CCC CAA TTT AGA TCG AGG ACC CTA

Complementary DNA: ATG ATC CAT GGG GTT AAA TCT AGC TCC TGG GAT

mRNA (use 1st DNA): **AUG AUC CAU GGG GUU AAA UCU AGC UCC UGG GAU**

tRNA: UAC UAG GUA CCC CAA UUU AGA UCG AGG ACC CUA

Amino Acid Sequence: met – Ile – his – gly – val – lys – ser – ser – ser – trp – asp