Name: Date: Hour:

Instructions: Complete the practice worksheet by completing the desired elements of each question.

 

1. Transcribe the corresponding mRNA strand from the given DNA strand:

 **DNA:** TAC GCA CCC AGC CTA TCC GTC ATT

**mRNA:**

1. Complete the corresponding DNA strand from the mRNA strand:

 **DNA:**

**mRNA:** AUG ACU GCG CCC CGA UCC UGU UAA

1. Translate the following mRNA sequence into its appropriate amino acid sequence: (abbreviate amino acids by first three letters. Example: Methionine abbreviates to MET

**mRNA:** AUG CUU AGC ACU GUU GAU UAU UCG

 **Amino Acids:**

List all of the possible codon sequences for the following amino acids:

Met - Arg - STOP -

1. Given the amino acid sequence, complete a possible DNA strand that compliments the strand:

**DNA:**

**mRNA:**

**Amino Acids:** Met – Lys – Pro – Arg – Ser – Leu - STOP