

Transcription and Translation Worksheet

Name: _____

Period: _____ Date: _____

For each of the following sequences, fill in either the DNA, the mRNA sequence, the DNA-RNA hybrid, or the amino acid sequence that best describes it. If several sequences might work, choose any one.

1. DNA: _____

mRNA: 5' ATG 3' 5' TAC 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3'

DNA: _____

A.A: _____

2. DNA: 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3'

mRNA: _____

DNA: _____

A.A: _____

3. DNA: _____

mRNA: _____

DNA: 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3' 5' ATG 3'

A.A: _____

4. DNA: _____

mRNA: _____

DNA: _____

A.A: MET CYS LEU MET MET MET VAL MET MET MET

5. DNA: 5' ATG 3' _____ 5' ATG 3' _____

mRNA: _____ 5' ATG 3' _____

DNA: _____ 5' ATG 3' _____ 5' ATG 3' _____