

DNA Translation/Transcription Practice Worksheet

Directions: Convert the DNA template to mRNA. Indicate the mRNA codons. Convert mRNA to tRNA. Indicate the anticodons. Convert mRNA to amino acid sequence using the mRNA codon table. Show the amino acid sequence with “—” between each amino acid as shown in class.

1.
DNA Template: TACGGCTACCATATGGAGTTAAGGACT
mRNA:
tRNA:

Amino Acid Sequence:

2.
DNA Template: TACCCCCAGGAGATAACGTACTACTACATT
mRNA:
tRNA:

What processes use DNA?

4.

What processes use RNA?

5.

What are the 3 kinds of RNA?

6.

Fill in the chart below:

7.

Transcription

Part 3

What is transcription?

1.

Where does transcription occur?

2.

What bases are involved in transcription?

3.