**Learning Targets**

Vocab terms:

transcription, translation, DNA, gene, chromosome, genome, uracil, mRNA, tRNA, rRNA, amino acid, polypeptide, primary structure of a protein, protein, nucleus, ribosome, codon, anti-codon, complementary base pairing

*Rate your understanding on each of the learning targets*

*(1=don’t understand, 2=kind of understand, 3=understand, 4=understand and can teach it someone else)*

* I can describe the importance and process of transcription
* I can describe the importance and process of transcription
* I understand where each step of the protein synthesis process occurs
* I can explain how DNA is arranged using the terms genes, chromosomes, and genome
* I can explain how DNA’s code is able to leave the nucleus
* I can transcribe a DNA sequence into an mRNA sequence
* I can explain the relationship between mRNA and tRNA
* I can translate an mRNA sequence into an amino acid sequence using a codon wheel
* I understand what tRNA transports and how it leads to a polypeptide chain
* I understand how the order of amino acids determines the shape of a protein
* I understand the importance of a protein’s shape/structure