**Translation Flow Chart: Describe what is going on in each step**

mRNA attaches to ribosome

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

tRNA molecule brings the first amino acid to the mRNA strand that is attached to the ribosome

 tRNA anticodon pairs with the first mRNA codon temporarily

Once released the Amino Acid Chain folds into a protein (tertiary structure!)

The amino acid strand (now an amino acid chain (Polypeptide) is released from the ribosome.

This process continues joining amino acids until the ribosome reaches a stop codon on the mRNA strand.

The first and second amino acids bond together in a peptide bond.

 New tRNA carrying an amino acid pairs with the second mRNA codon

The ribosome slides along the mRNA to the next codon

AUG signals the start of protein production