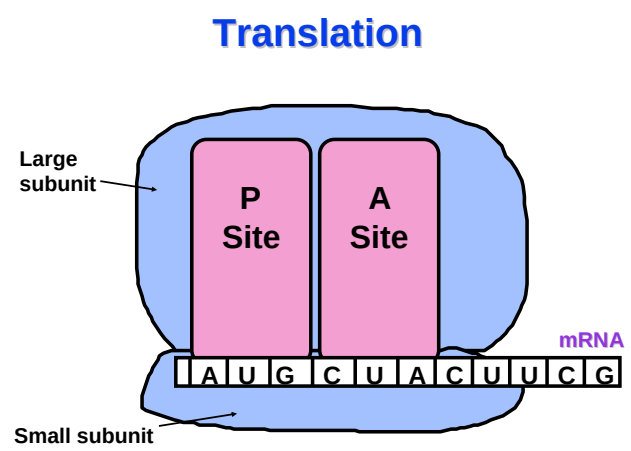
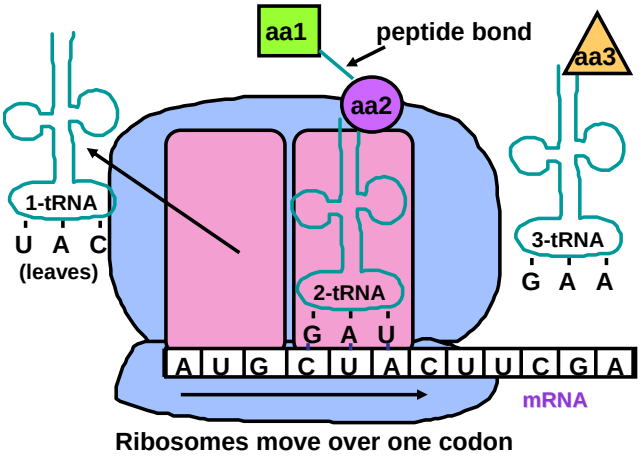
Steps of Translation (NOTES 4)

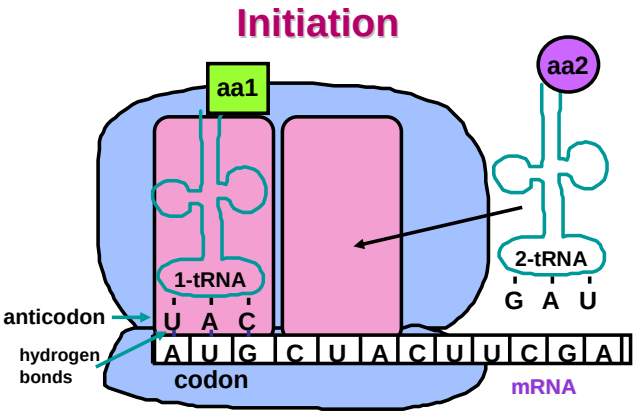


The Two subunits of the RIBOSOME attach to the mRNA

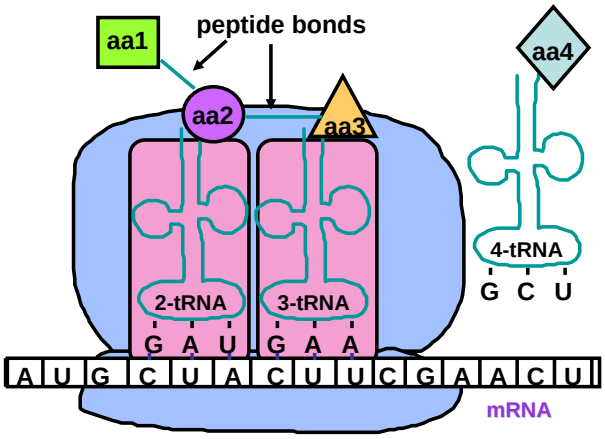


Ribosomes move over one codon

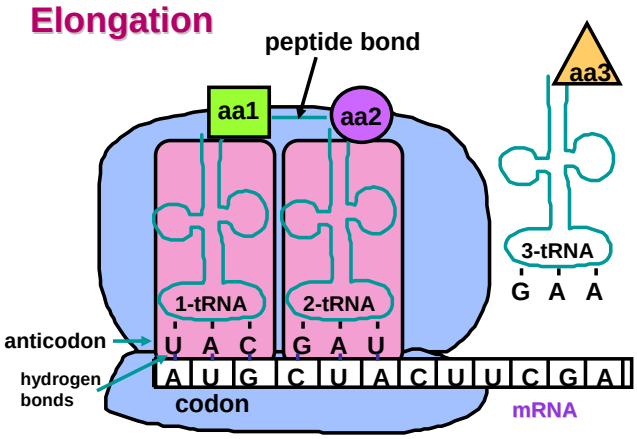
The first tRNA leaves and the Ribosome moves one codon down the mRNA.



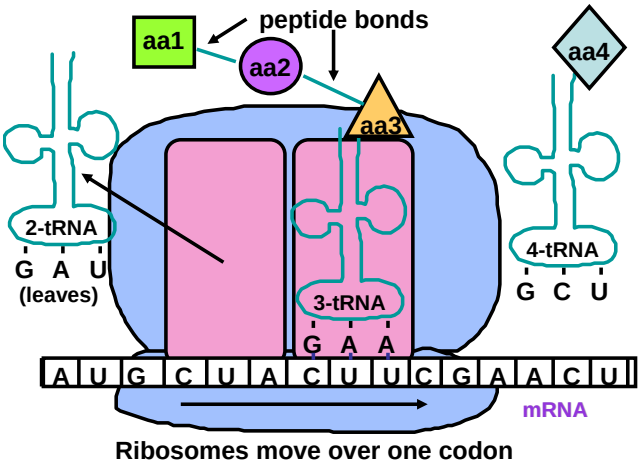
The first tRNA enters the Ribosome carrying and amino acid and bind to the correct codon.



The third tRNA enters the ribosome and attaches to the mRNA. The amino acid is attached to the others.

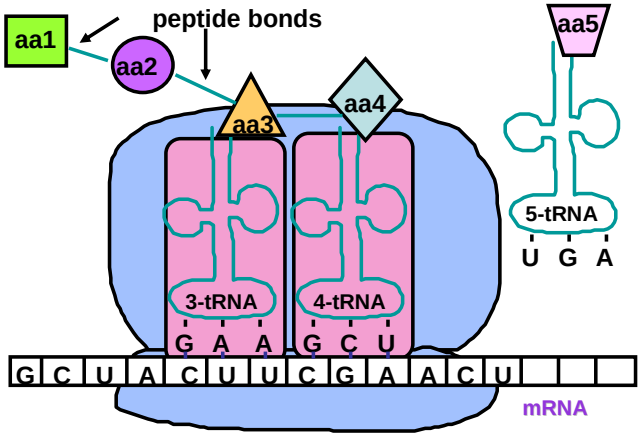


the second tRNA enters the Ribosome and binds to the next codon . The two amino acids bond together.

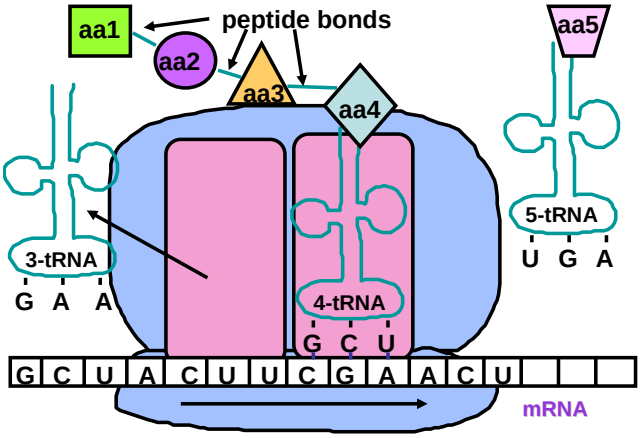


Ribosomes move over one codon

The second tRNA leaves and the Ribosome moves down the mRNA

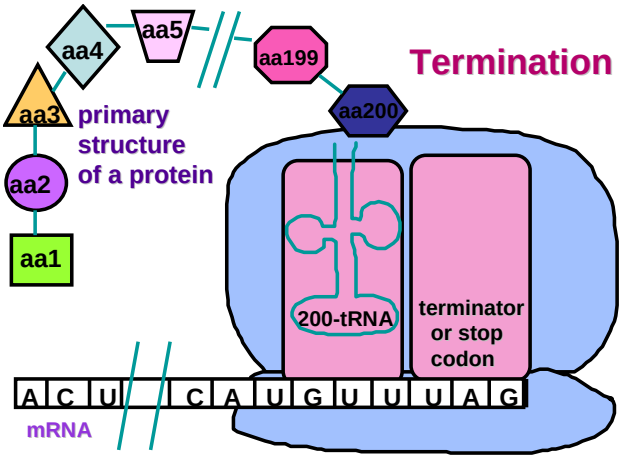


The fourth tRNA carrying another amino acid enters the ribosome.



Ribosomes move over one codon

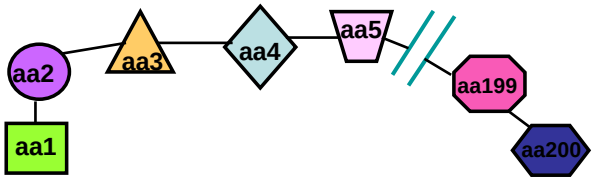
The third tRNA is released and the ribosome moves one codon to the right.



The process of adding amino acids is repeated over and over until a stop codon is found on the mRNA.

End Product

- An amino acid chain that will be folded into a protein.



The final product is a long chain of amino acids. This will fold together to make a protein.