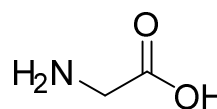
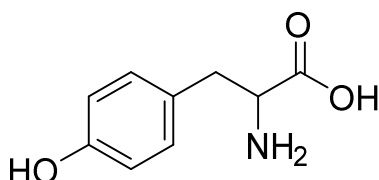
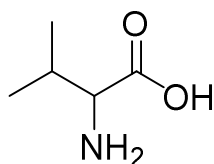


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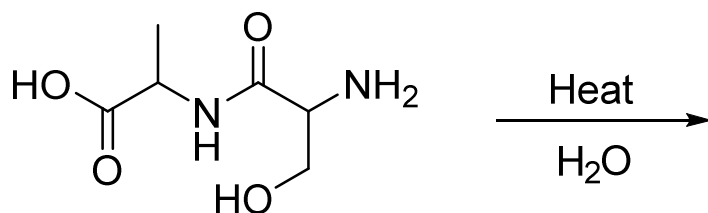
# QA1 - Amino Acid Biochemistry

1. How many possible different tripeptides could form, by combining three different amino acids?

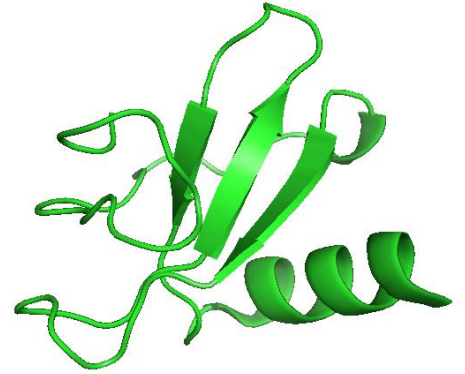
2. Draw a tripeptide formed from the following amino acids: valine, tyrosine, and glycine



3. Draw the products of the following reaction



4. Using the following diagram, define the terms **Primary Structure**, **Secondary Structure**, and **Tertiary Structure**. In your answer, explain how these structures form.



5. Explain what would need to happen to the protein, for it to have a quaternary structure, and to be a conjugated protein.

6. How do genes determine the overall structure of a protein?