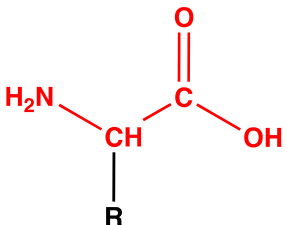


Amino Acids

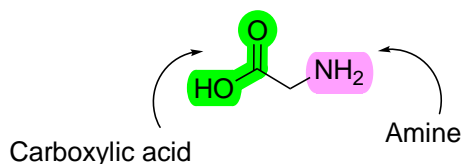
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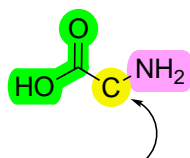
Summary

Functional group	General formula	Structure/example	Prefix	Suffix
<i>Amino acid</i>	-CH(NH ₂)-COOH		Not required	Not required

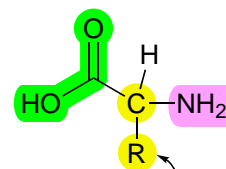
Amino acids consist of an amine and carboxylic acid functional group.



α -amino acids are important in biological systems and thus are the main type of amino acid covered in year 11-12 chemistry courses. α -amino acids are amino acids where the amino group is bonded directly to the alpha carbon.



alpha carbon -
the carbon to which the
carboxylic acid functional
group is attached.



the side chain attached to
the alpha carbon is important
in determining biological function

Students do not need to name amino acids in year 11-12 chemistry courses.