

Source: [KBhBIO101AminoAcids](#)

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- Alcohol Group: H-O-R (part of the Carboxyl when $\text{R}=\text{C}$, as in H-O-C)
- Carbonyl: C=O (part of carboxyl)
- Carboxyl/Carboxylic Acid: H-O-C=O (left side of backbone) Screen Shot 2020-10-12 at 2.29.28 PM
- Amino/amine — H_3N^+ (right side of backbone)
- Amide — RC(=O)NR'R'' (frequently shown in side chains of amino acids — see Amine)
- Ether: R-O-R (structure of glycosidic bonds formed by dehydration)
- Ester: R-O-C-O (structure that joins fatty acid and glycerol together)
- Hydroxyl: OH group. Need I say more?