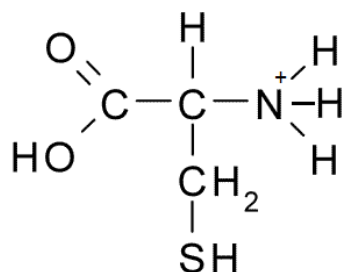
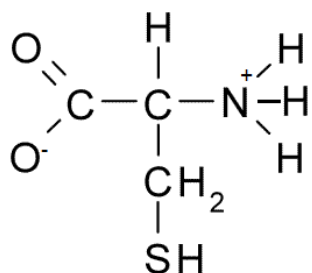


Answer on Question #52888 – Biology – Biochemistry

Under pH <1 additional hydrogen ion is attached to amino group, leading to partially **positive charge**:



Under pH 5.1 amino acid is under the isoelectric point when the net charge is 0 and amino acids is in the form of **zwitter ion**:



Under pH >12, both carboxyl and sulfhydryl groups are ionized, leading to partially **negtaive charge**:

