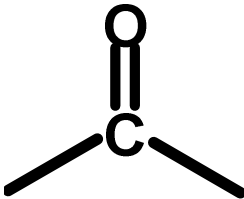
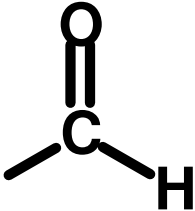
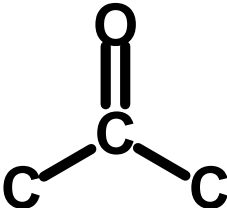
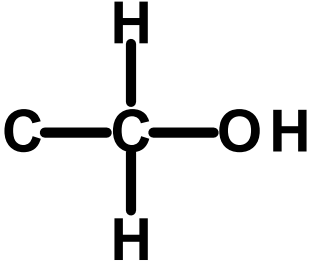
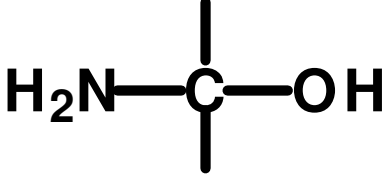


Organic Compounds and Functional Groups

| Compound Name | Functional Group Name | Full Structural Formula |
|-----------------|-----------------------|---|
| Carbonyl | Carbonyl |  |
| Aldehyde | Carbonyl |  |
| Ketone | Carbonyl |  |
| Primary Alcohol | Hydroxyl |  |

| Compound Name | Functional Group Name | Full Structural Formula |
|-------------------|-----------------------|---|
| Secondary Alcohol | Hydroxyl | $ \begin{array}{c} \text{H} \\ \\ \text{C} - \text{C} - \text{OH} \\ \\ \text{C} \end{array} $ |
| Tertiary Alcohol | Hydroxyl | $ \begin{array}{c} \text{C} \\ \\ \text{C} - \text{C} - \text{OH} \\ \\ \text{C} \end{array} $ |
| Amine | Amino | $\text{C} - \text{NH}_2$ |
| Carboxylic Acid | Carboxyl | $ \begin{array}{c} \text{O} \\ \\ - \text{C} - \text{OH} \end{array} $ |
| Ester | Ester | $ \begin{array}{c} \text{O} \\ \\ - \text{C} - \text{O} - \text{C} \end{array} $ |
| Amide | Amide/Peptide link | $ \begin{array}{c} \text{O} \quad \text{H} \\ \quad \\ - \text{C} - \text{N} - \\ \quad \quad \end{array} $ |

| Compound Name | Functional Group Name | Full Structural Formula |
|----------------------|------------------------------|--|
| Amino Acid | Amino and Carboxylic Acid |  $\text{H}_2\text{N}-\text{C}-\text{OH}$ |