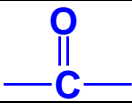
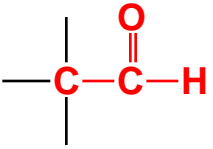
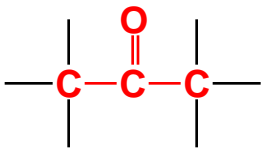
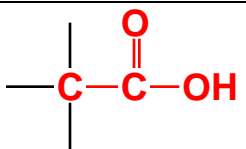
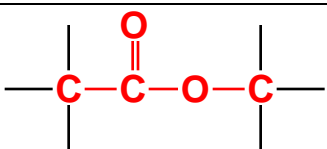
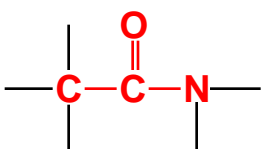


Family Name	Functional group structure	Simple example
Carbonyl		
Aldehyde		$\text{H}_3\text{C}-\text{C}(=\text{O})-\text{H}$
Ketone		$\text{H}_3\text{C}-\text{C}(=\text{O})-\text{CH}_3$
Carboxylic acid		$\text{H}_3\text{C}-\text{C}(=\text{O})-\text{OH}$
Ester		$\text{H}_3\text{C}-\text{C}(=\text{O})-\text{OCH}_3$
Amide		$\text{H}_3\text{C}-\text{C}(=\text{O})-\text{NH}_2$ $\text{H}_3\text{C}-\text{C}(=\text{O})-\text{NHCH}_3$ $\text{H}_3\text{C}-\text{C}(=\text{O})-\text{N}(\text{CH}_3)_2$