

### Selected Functional Groups and their Characteristics

Functional Group	General Formula	Structure	Characteristics	Biological Molecules:
Hydroxyl			-Common in alcohols, slightly polar	
Amino			-Weak bases in water, accepts a proton	
Carboxyl			-Weak acids in water, releases a proton	
Methyl			-Non-polar, rejected by polar molecules, insoluble in water	
Aldehyde			-Slightly polar, soluble in water	
Sulfhydryl			-Can be involved in covalent bonding	
Ketone			-Slightly polar, water soluble	
Phosphate			-Polar, weak acid, releases proton in water	

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