You should be able to identify each of the following functional groups within organic molecules:

amino group within an amine molecule (both the form found at low pH and high pH)

carbonyl group within an aldehyde molecule (you need to know it is within an aldehyde vs a ketone)

carbonyl group within a ketone molecule (you need to know it is within a ketone vs an aldehyde)

carboxyl group within a carboxylic acid (both the form found at low pH and high pH)

ester group within an ester molecule

hydroxyl group within an alcohol molecule

phosphate group within a phosphate molecule

sulfhydryl group within s thiol molecule

R-C-H	0	+ , H R-N-H	0	R-0-H
R-C-H	R-C-0-R	K-14 -14	R-0-P-0-	hydroxyl
carbonyl	ester	amino	0-	alcohol
aldehyde 	ester	amine	phosphate 	
	n h		phosphate 	
R-с-он	R-N H	0 R-C-R	R-S-H	R-C-0
carboxyl	amino	carbonyl	sulfhydryl	carboxyl
carboxylic acid	amine 	ketone	thiol	carboxylic acid