Session 3 Worksheet

Alkyl Functional groups

Methyl		Ethyl	
Propyl		Butyl	
Isopropyl		Phenyl	
Benzyl		Tert-butyl	

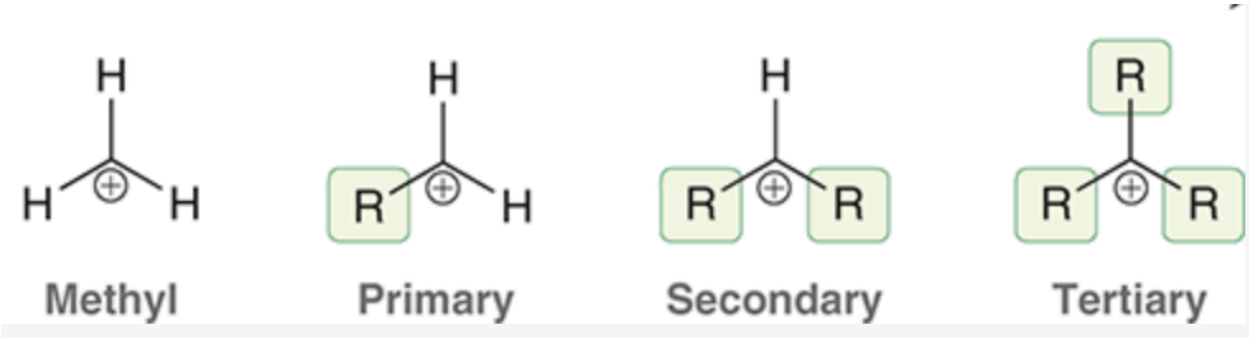
Functional groups study sheet

Alkyl Halide			Nitrile		
Alkane			Ketone		
Alkene			Aldehyde		
Alkyne			Carboxylic Acid		
Alcohol			Ether		
Aromatic/ Arene/ Benzene			Ester		
Amine			Amide		

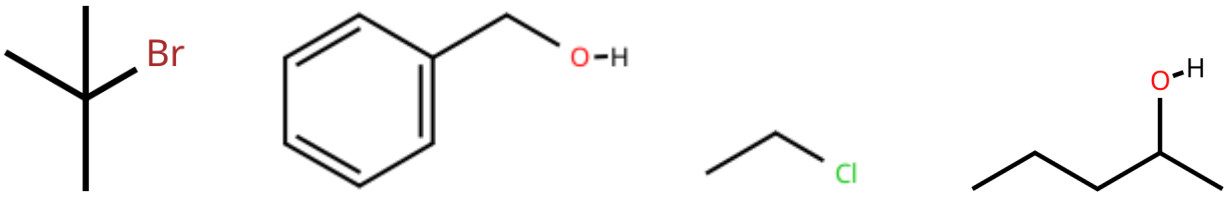
Degree of Substitution

Primary, Secondary, and Tertiary are used to describe the _____ on a carbon of interest (the carbon we're looking at)

It looks at the number of _____ bonded to that specific carbon



Are the following carbons of interest in the compounds primary, secondary, or tertiary?



Amines
Look at the number of _____bonded to the actual _____

What is the geometry and bond angle of amines?

Dipole Moment

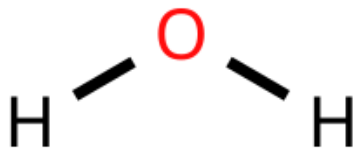
Polar Covalent Bonds:

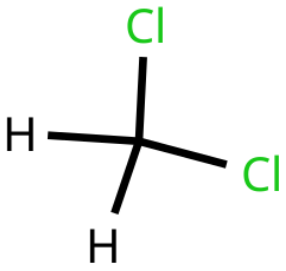
Dipole Moment:

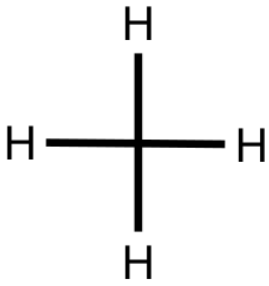
Expressed in _____

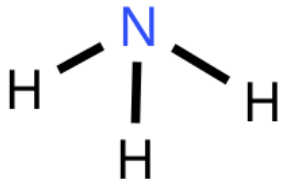
Net Dipole:

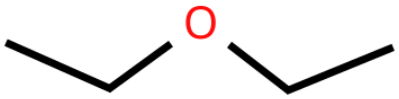
Label the partial charges and draw the dipole moment on the compounds below:











Intermolecular Forces Practice

Determine which of the 2 compounds has the higher bp: