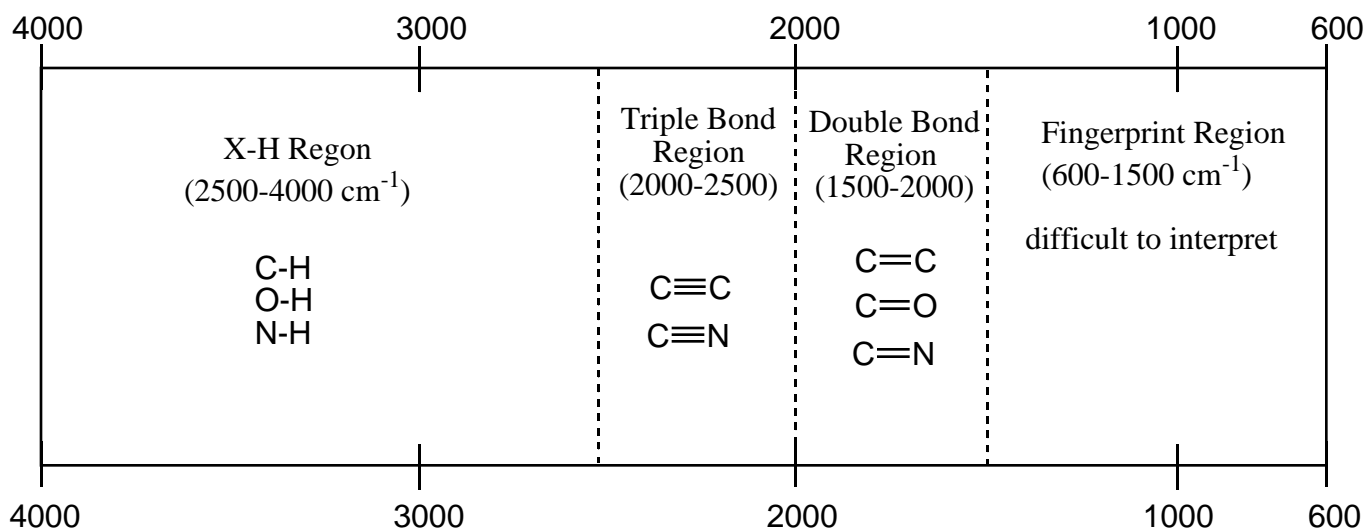
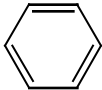


Typical IR Absorptions for Funtional Groups



Functional Group	cm^{-1}	Functional Group	cm^{-1}
Alkanes, Alkyl groups		Amines	
C-H	2850-2960	N-H	3300-3500
Alkenes		Amide	
=C-H	3020-3150	N-H	3180-3350
C=C	1600-1700	Carbonyl Group	
Alkynes		C=O	1650-1780
C-H	3300	Carboxylic Acids	
C C	2100-2200	O-H	2500-3100
Alkyl Halides		Nitriles	
C-Cl	600-800	C N	2210-2260
C-Br	500-600	Nitro Group	
C-I	500	-NO ₂	1540
Alcohols			
O-H	3400-3650		
C-O	1050-1150		
Aromatics			
=C-H	3030		
	1600, 1500		