


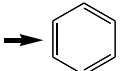

















## IR Functional Group Absorbances

Bonds to Hydrogen		Multiple Bonds	
Group	IR absorbance (cm <sup>-1</sup> )	Group	IR absorbance (cm <sup>-1</sup> )
	2950-2850		1650
	3150-3000		1600
	3350-3300		2200
	2900-2700 (2 bands)		1660
	3500-3100 (2 bands) broad, may be weak		1715
	3500-3100 (1 band) broad, may be weak		1730
	3550-3200 broad, strong		1800
	3500-2500 very broad, strong		1715
<i>Conjugation lowers a multiple-bond absorbance by 20-30 cm<sup>-1</sup></i>			1745
	1640-1695		1810/1780 (2 bands)