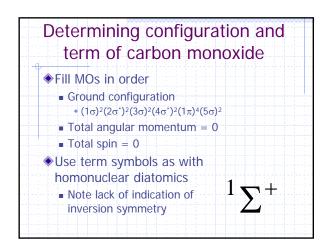
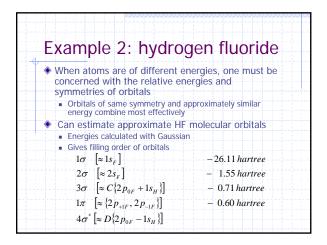
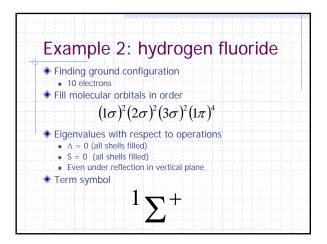
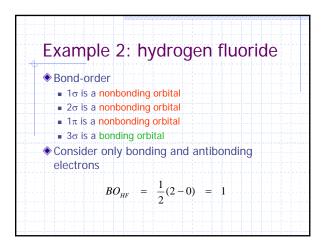


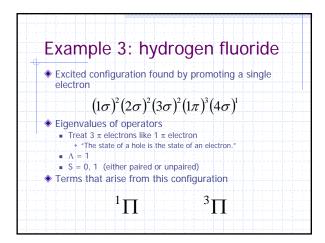
Example: car	DOILI	пополис
 Hartree-Fock calculations give relative energies of 	1σ	– 20.58 hartree
relative energies of states	$2\sigma^*$	–11.32 hartree
 Calculated with Gaussian 	3σ	– 1.55 hartree
Not "correct"	$4\sigma^*$	– 0.79 hartree
energies, but gives order of stability	1π	– 0.64 hartree
 Gives a filling order for producing configurations 	5σ	– 0.54 hartree











Fifteen (1	5) electrons
Use heter	oatomic filling order
$(1\sigma)^{2}(2$	$\sigma^{2}(3\sigma)^{2}(4\sigma)^{2}(1\pi)^{4}(5\sigma)^{2}(2\pi)^{1}$
♦ Leads to	Π term
♦ S = 1⁄2	
Results a	ound-state term

