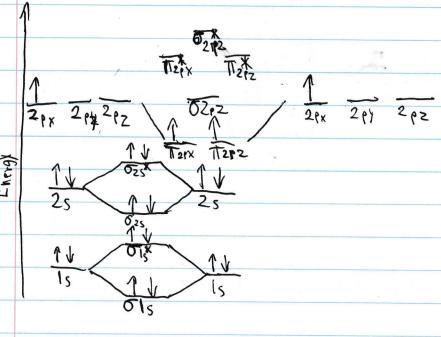
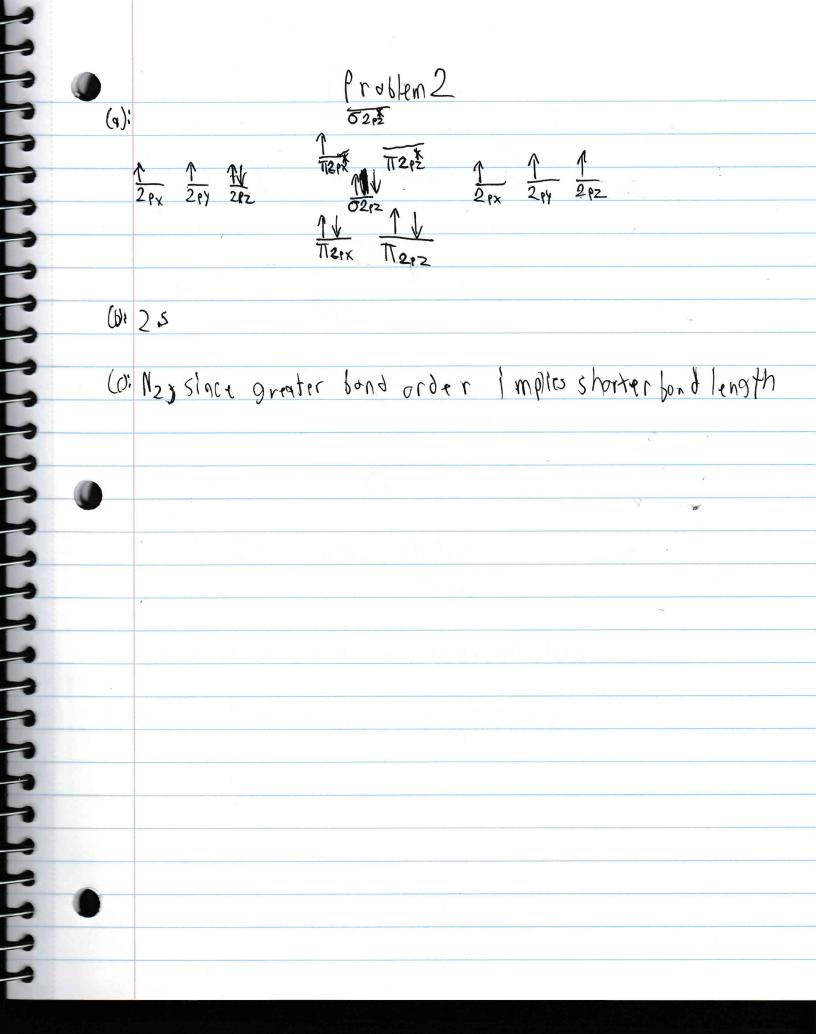
Lecture 13 Problems & Problem 1





Problem 3 (d); TIZÍX IT 2P3X 0212 25 25 $(6)(G_{25})^2(G_{25})^2(\pi_{2px})^2(\pi_{2py})^1$ (c): The IT orbitals are those that 2 or all other's don't. (1): BCT 15 strong er since 2 2 1.5 of BC.

Problem 4

(q): (σ3s)² (σ3*)² (σ3 γ2)² (π3 ρχ)² (π3 ρχ)² (π3 ρχ)¹

Paramagnetic due to (π3 ρχ)¹ (b): (025)2 (025)2 (0202)2 (1120x)2 (1120x)2 (1120x)1 Parayagnetia Jueto 1120x.