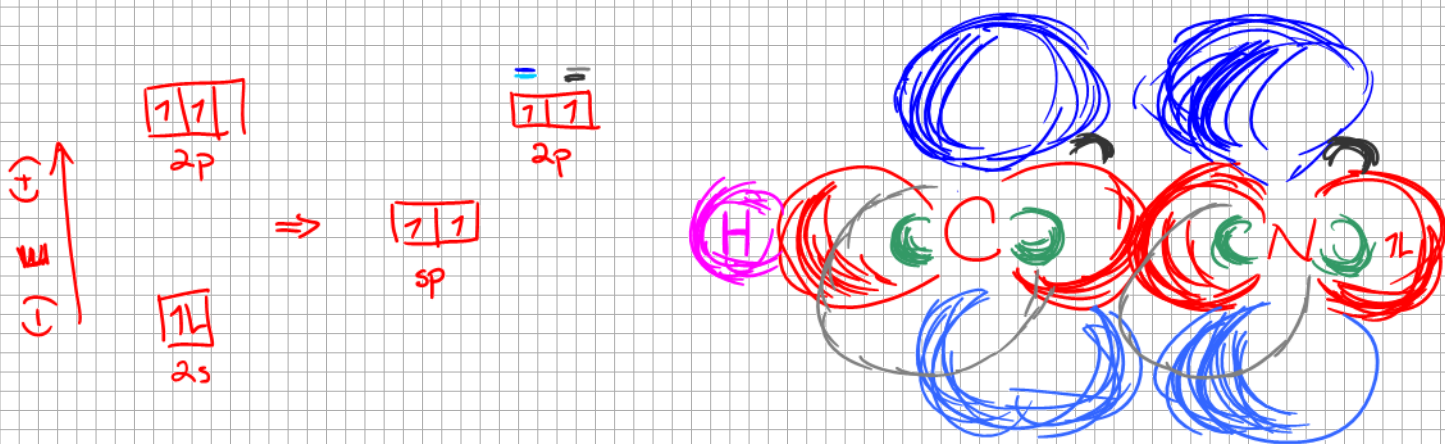
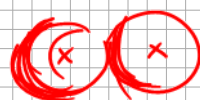


HCN, HYDROGEN CYANIDE $H-C\equiv N$:



MOLECULAR BONDS AND NODES

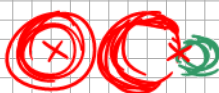
- σ BONDS: NO NODES PARALLEL TO THE ATOMS



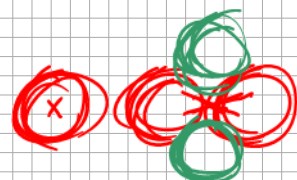
BETWEEN 2 S ORBITALS



BETWEEN S & P ORBITAL



BETWEEN S & sp^* ORBITAL

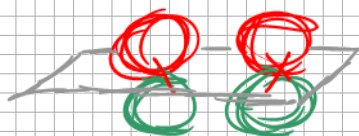


BETWEEN S & d ORBITAL



BETWEEN P & P ORBITAL

- π BONDS: ONE NODE PARALLEL W/ ATOMS



BETWEEN P & P ORBITAL