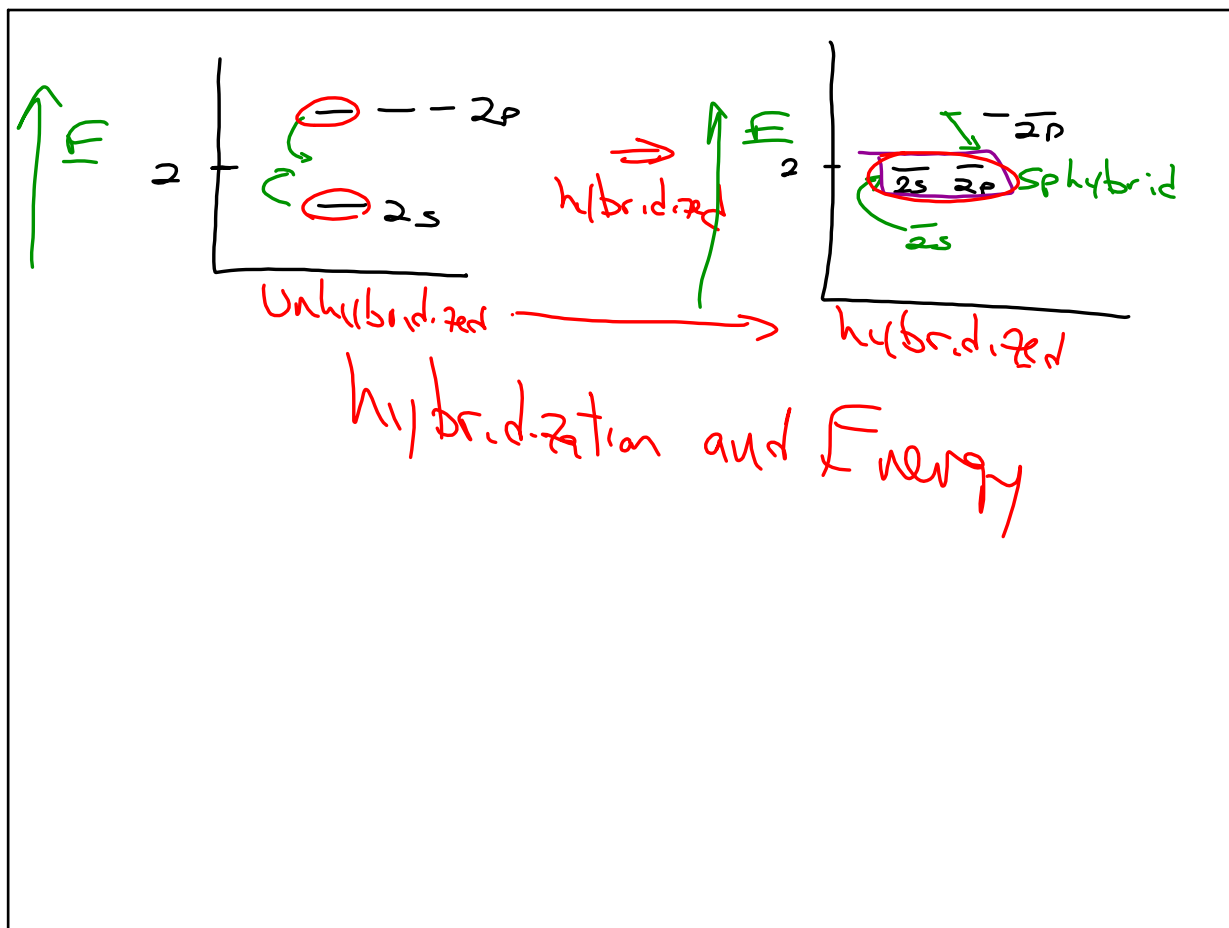


Nov 20-8:11 AM



Nov 20-8:21 AM

(951)

$$\begin{array}{ccccccc}
 & \text{H} & \cdot\cdot\text{O} & & \text{H} & & \text{H} \\
 & | & || & & | & & | \\
 \text{H} & - \text{C}_1 & - \text{C}_2 & - \text{O} & - \text{C}_3 & - \text{C}_4 & - \text{H} \\
 & | & & \cdot\cdot & | & & | \\
 & \text{H} & & & \text{H} & & \text{H}
 \end{array}$$

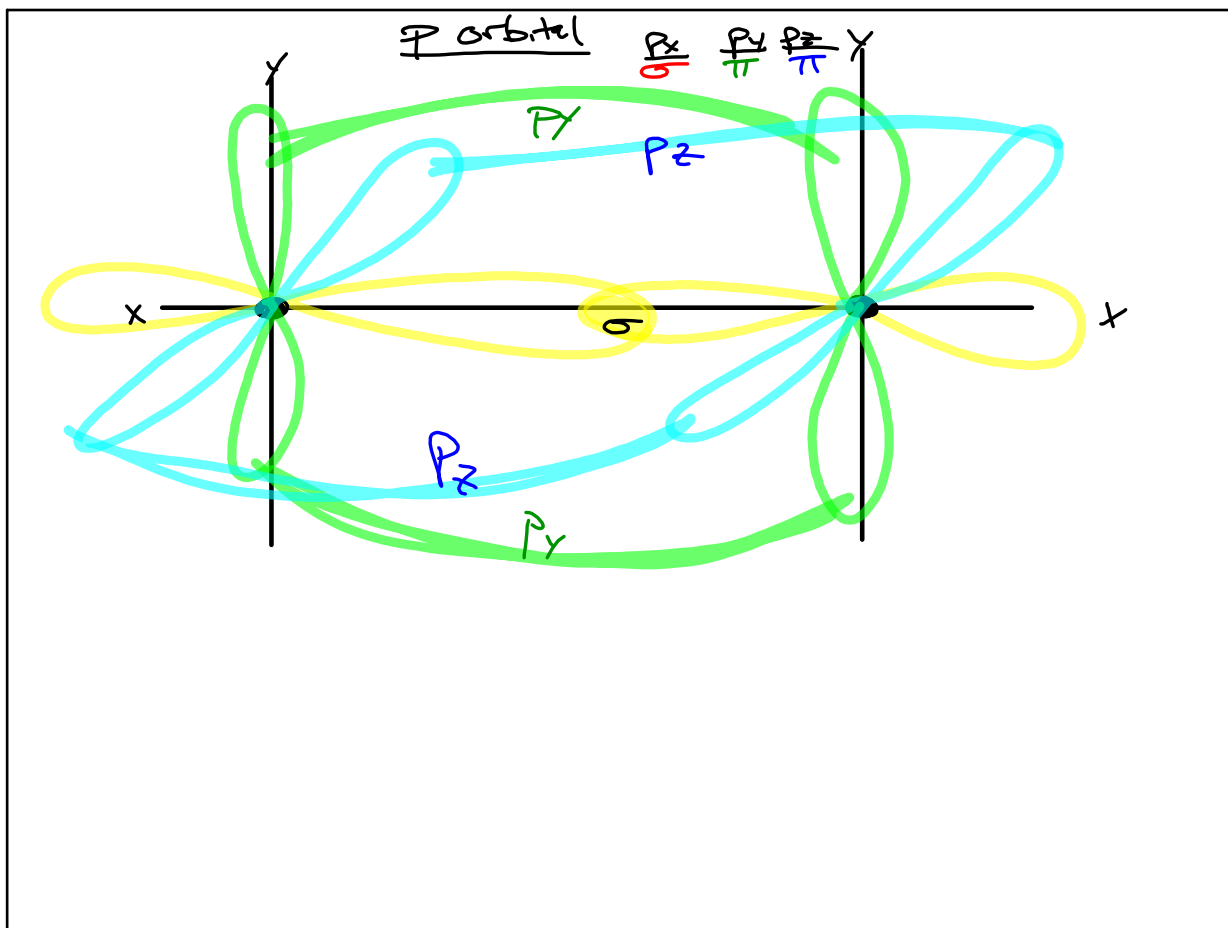
13σ $2e^-$
 1π $2e^-$
 8 lone pair e^-

(a) $\text{C}_1 \rightarrow \text{Sp}^3$ $\text{C}_3, \text{C}_4 + \text{oxygen}$
 $\text{C}_2 = \text{Sp}^2$

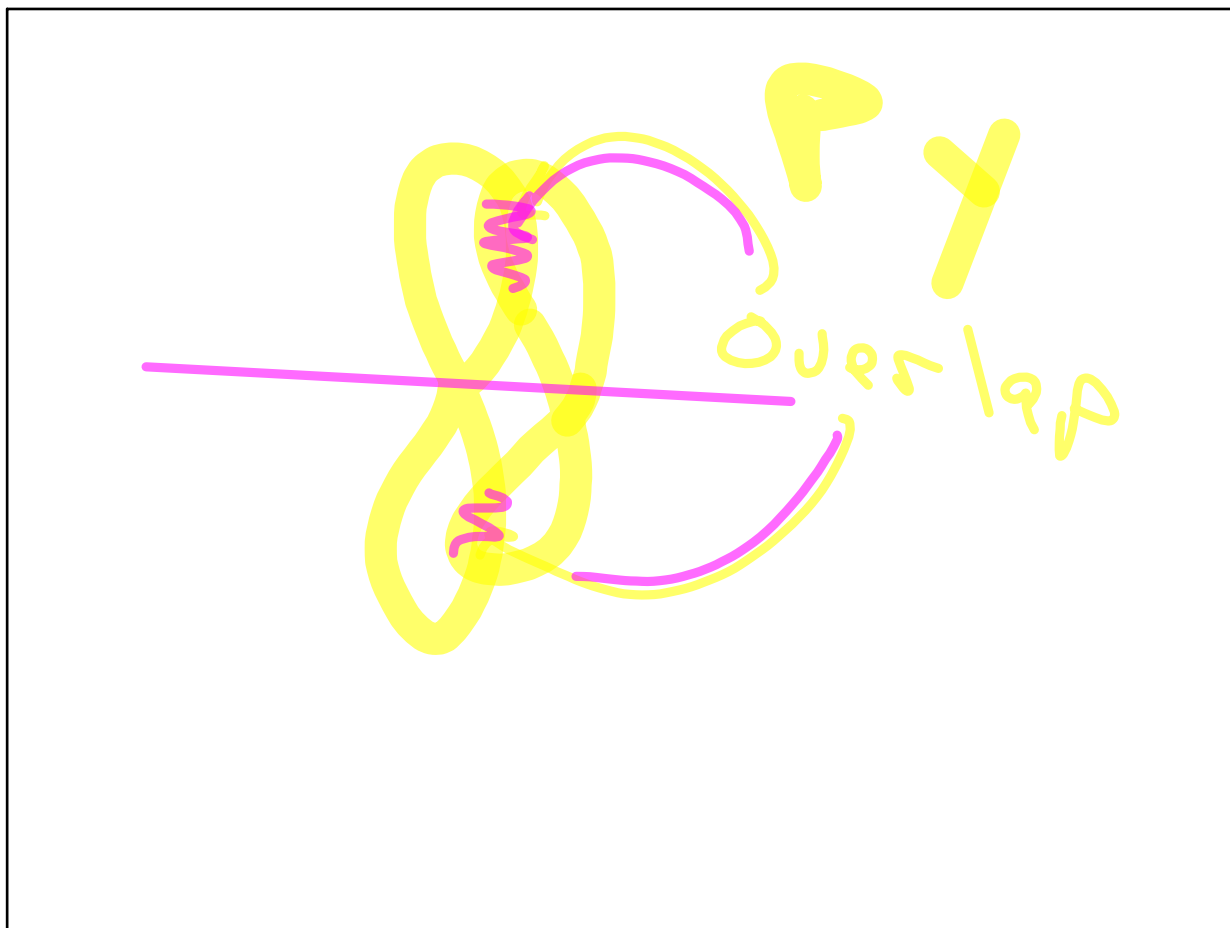
$\text{C}_4\text{H}_8\text{O}_2$
 $4(4) + 8(1) + 2(6)$
 $16 + 8 + 12 = 36$

s	—	σ
p	==	σ + π
d	===	σ + 2π

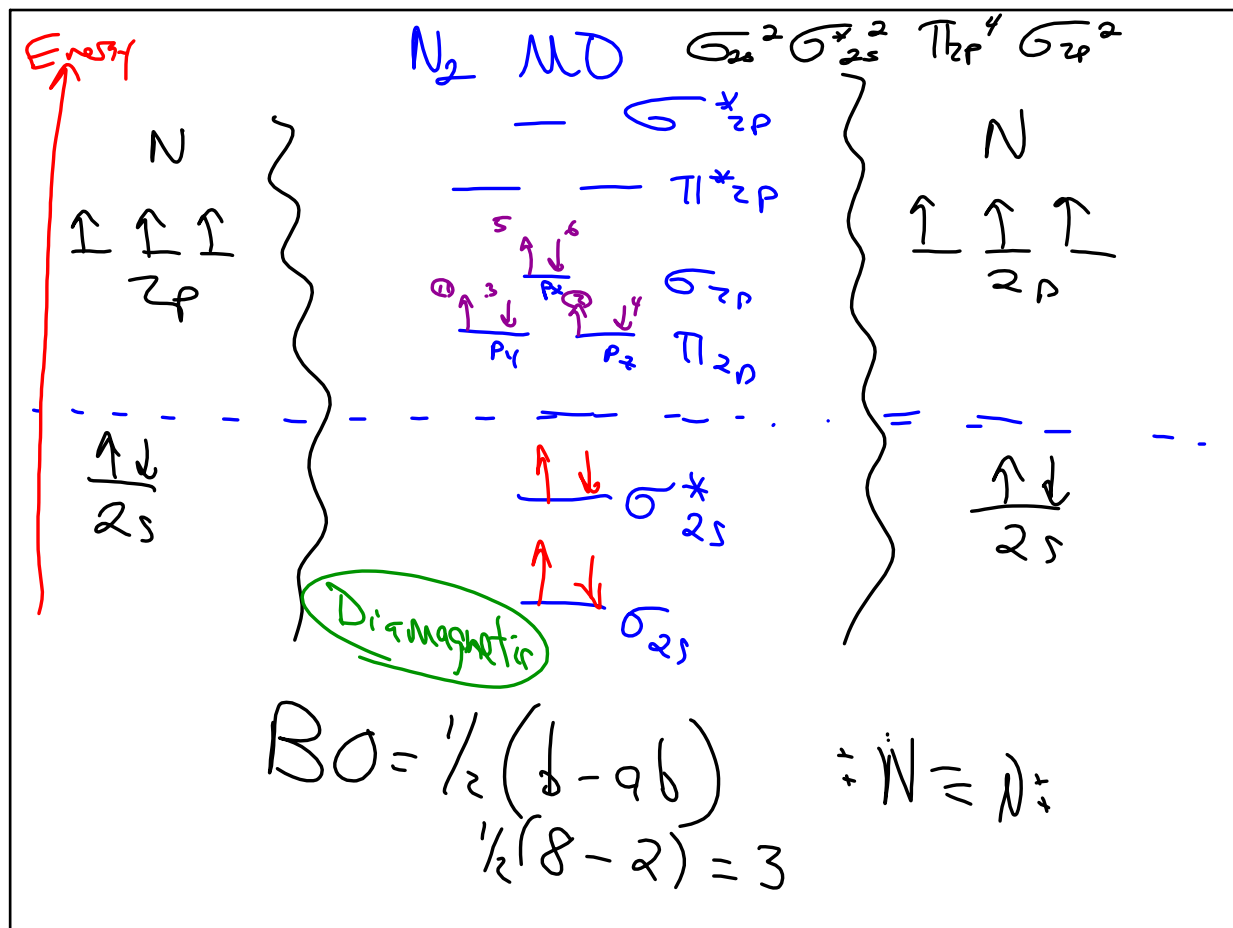
Nov 20-8:24 AM



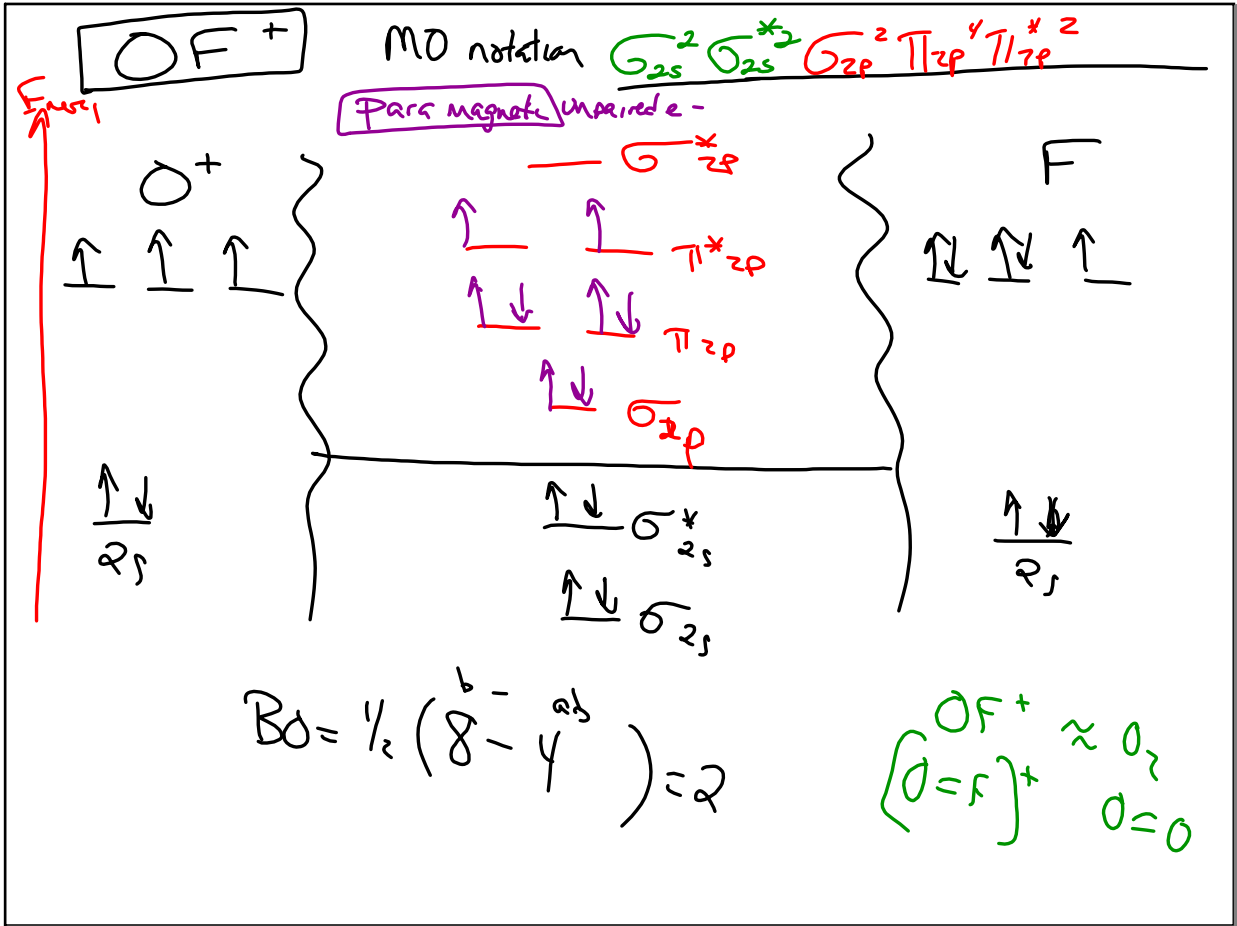
Nov 20-8:52 AM



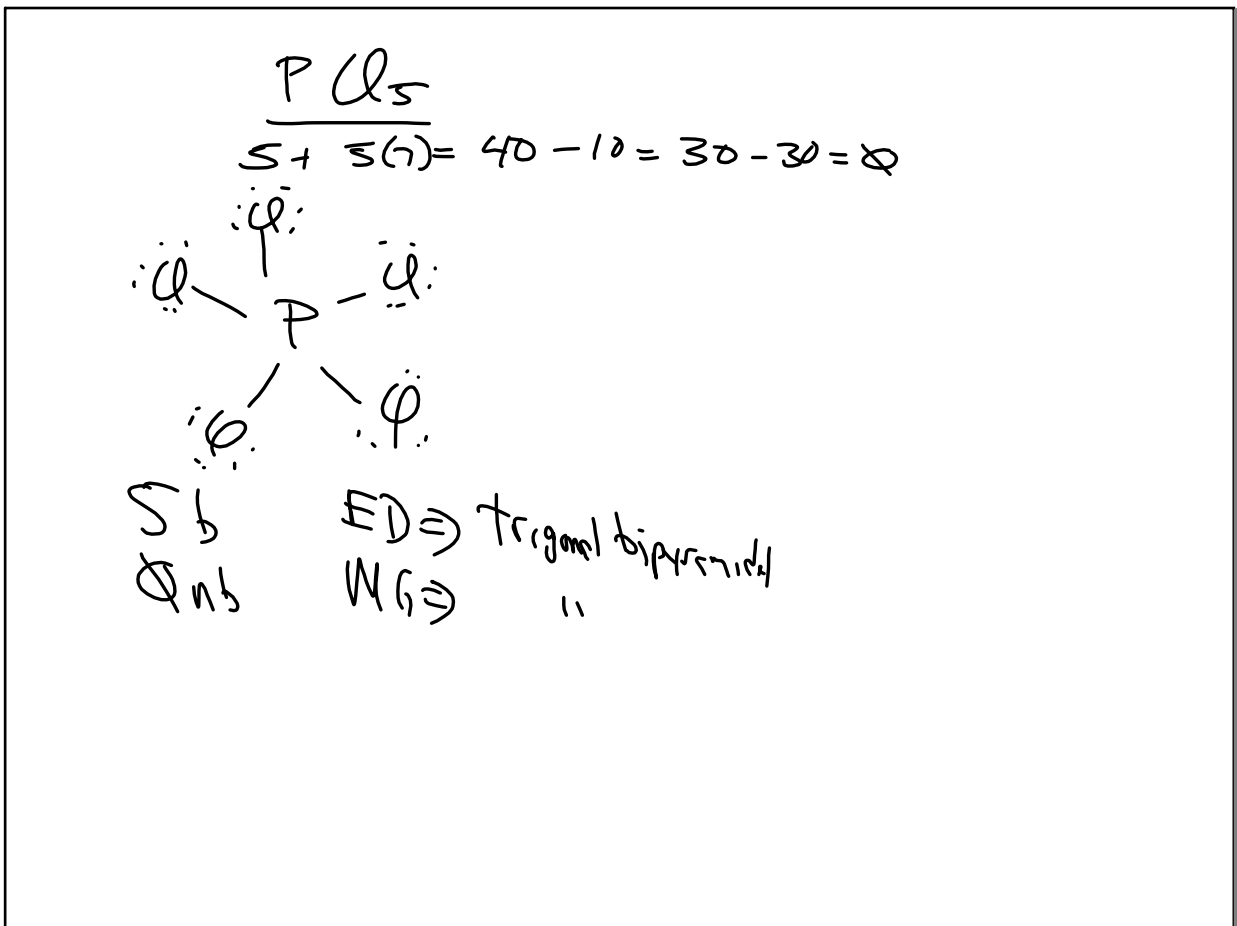
Nov 20-8:55 AM



Nov 20-8:57 AM



Nov 20-9:01 AM



Nov 20-9:23 AM

$$9 / 68 + 80$$

Nov 20-9:35 AM