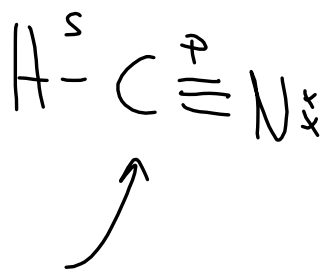
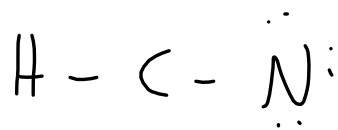


948

$$\text{HCN}$$

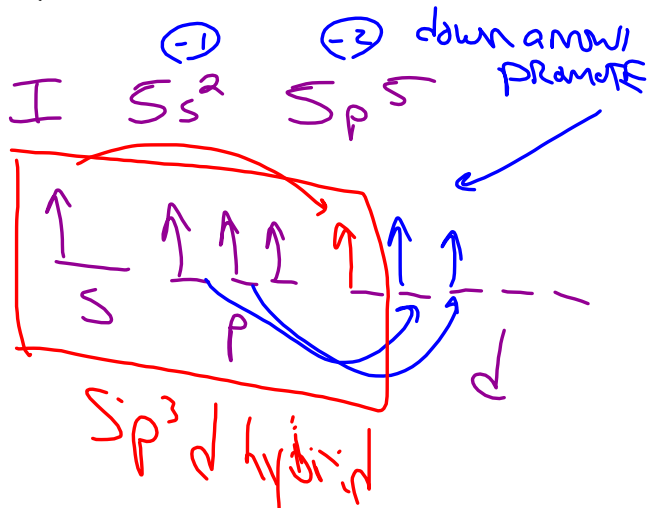
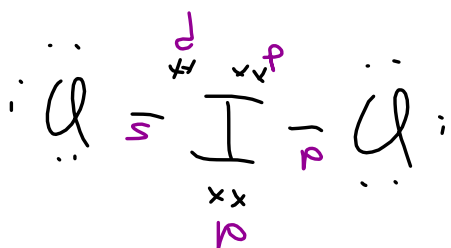
$$1 + 4 + 5 = 10 - 4 = 6 - 6 = 0$$



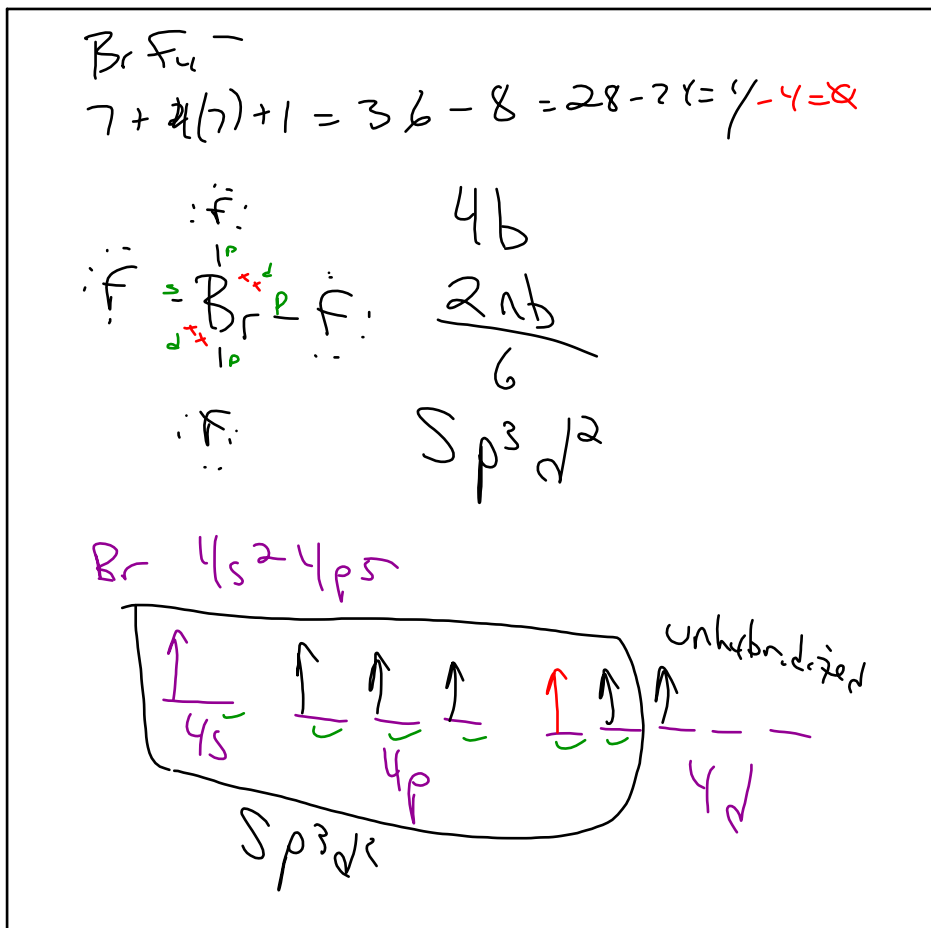
Nov 30-7:47 AM

Q  $\text{ICl}_2^-$

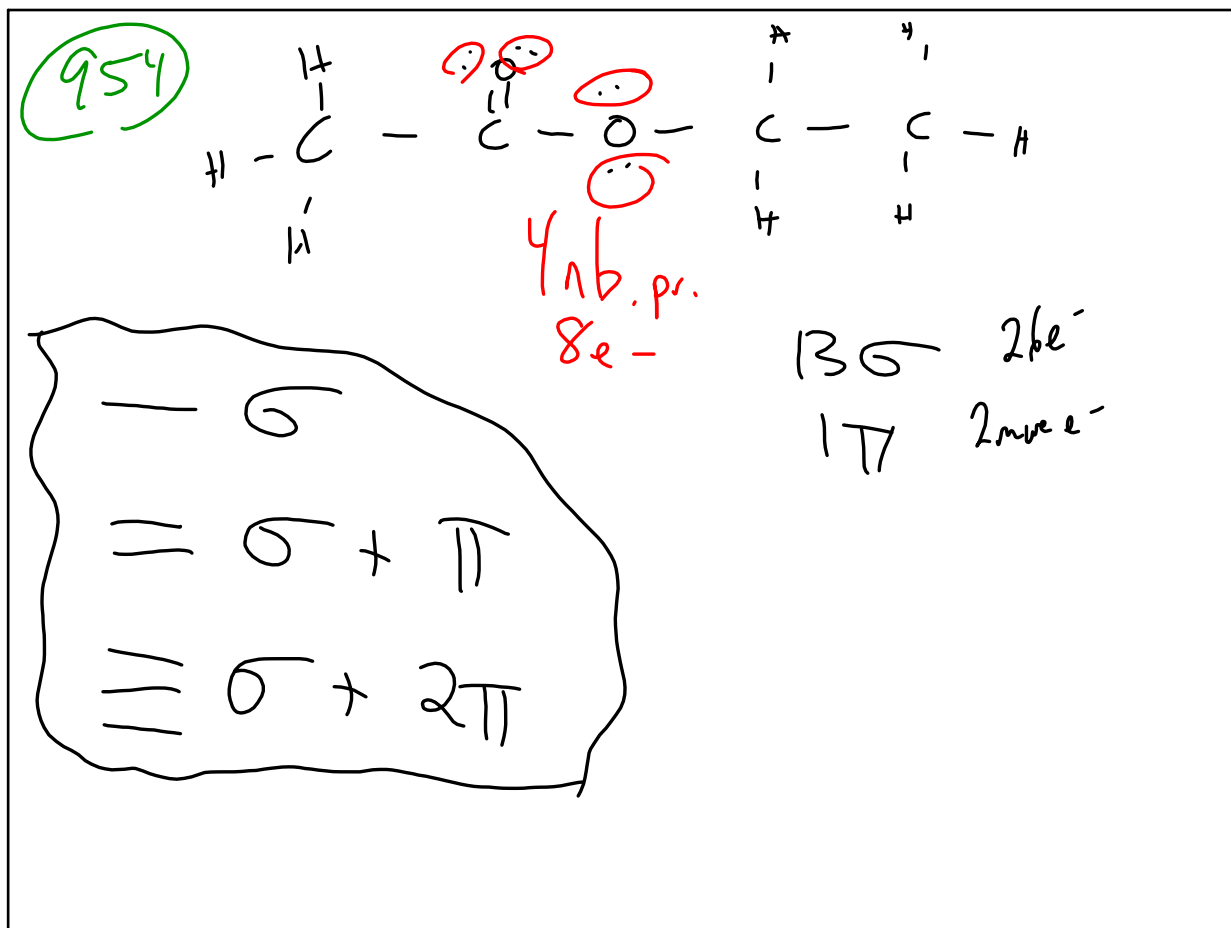
$$7 + 2(7) + 1 = 22 - 4 = 18 - 12 = 6 - 6 = 0$$



Nov 30-8:17 AM

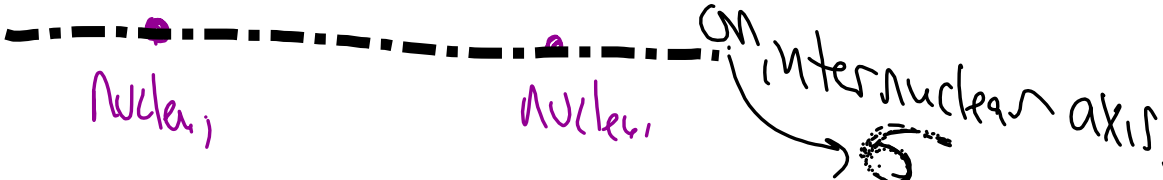


Nov 30-8:21 AM



Nov 30-8:25 AM

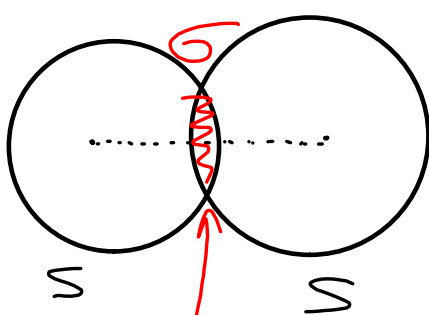
MO = Molecular orbitals  
 ↳ from a compound.  
 Combination of atomic orbitals  
 ↳ from an element.



A dashed horizontal line represents the internuclear axis. Two purple dots on the line are labeled "Nuclei". To the right, the text "MO internuclear axis." is written with an arrow pointing to the dashed line.

π is above/below or front/behind  
 Y axis                      Z axis

Nov 30-8:29 AM

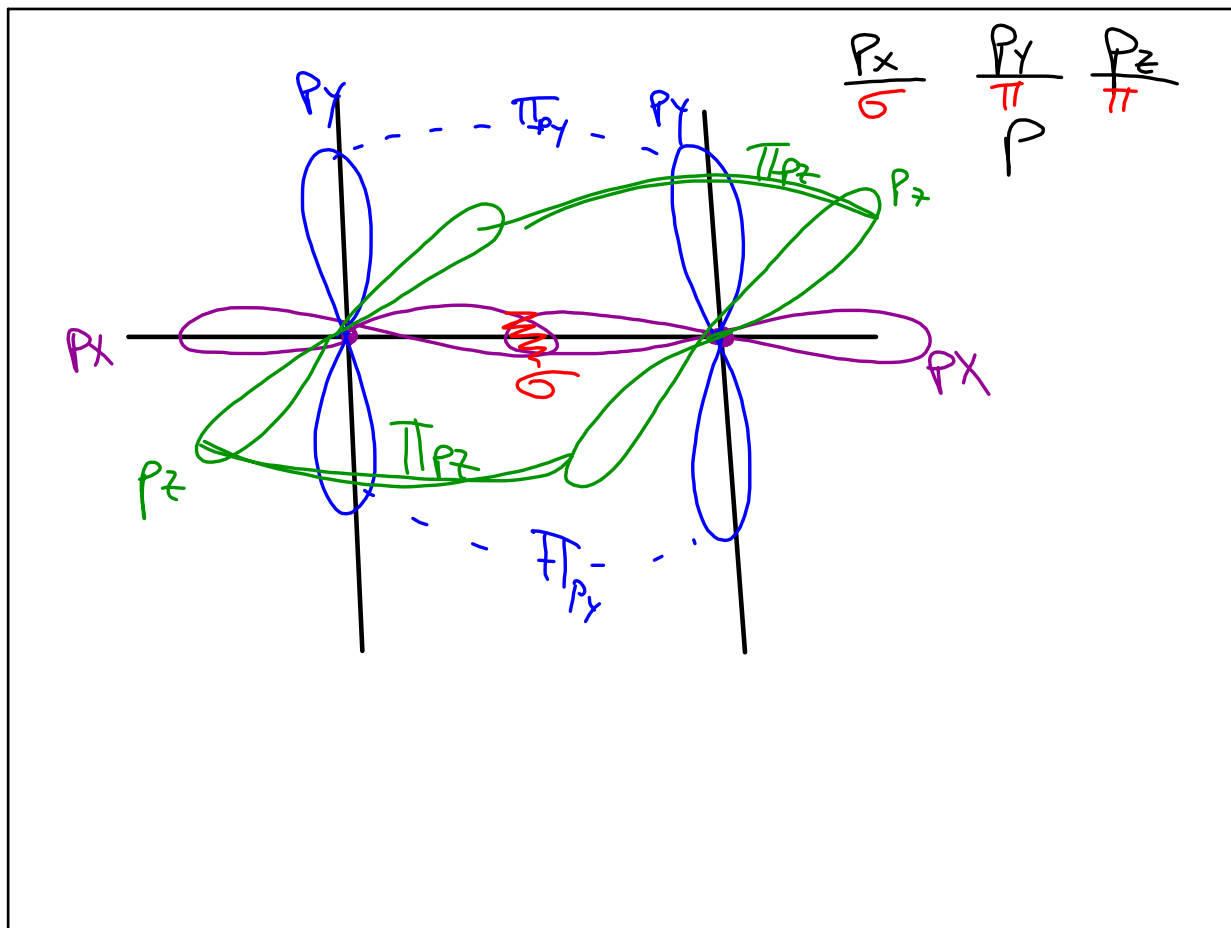


Two overlapping circles represent s-orbitals. A dashed horizontal line passes through their centers. The overlapping region is shaded with red diagonal lines. A red sigma symbol (σ) is written above the overlap, with an arrow pointing to it.

σ  
 S

overlap on  
 I.N. axis ⇒ σ

Nov 30-8:33 AM

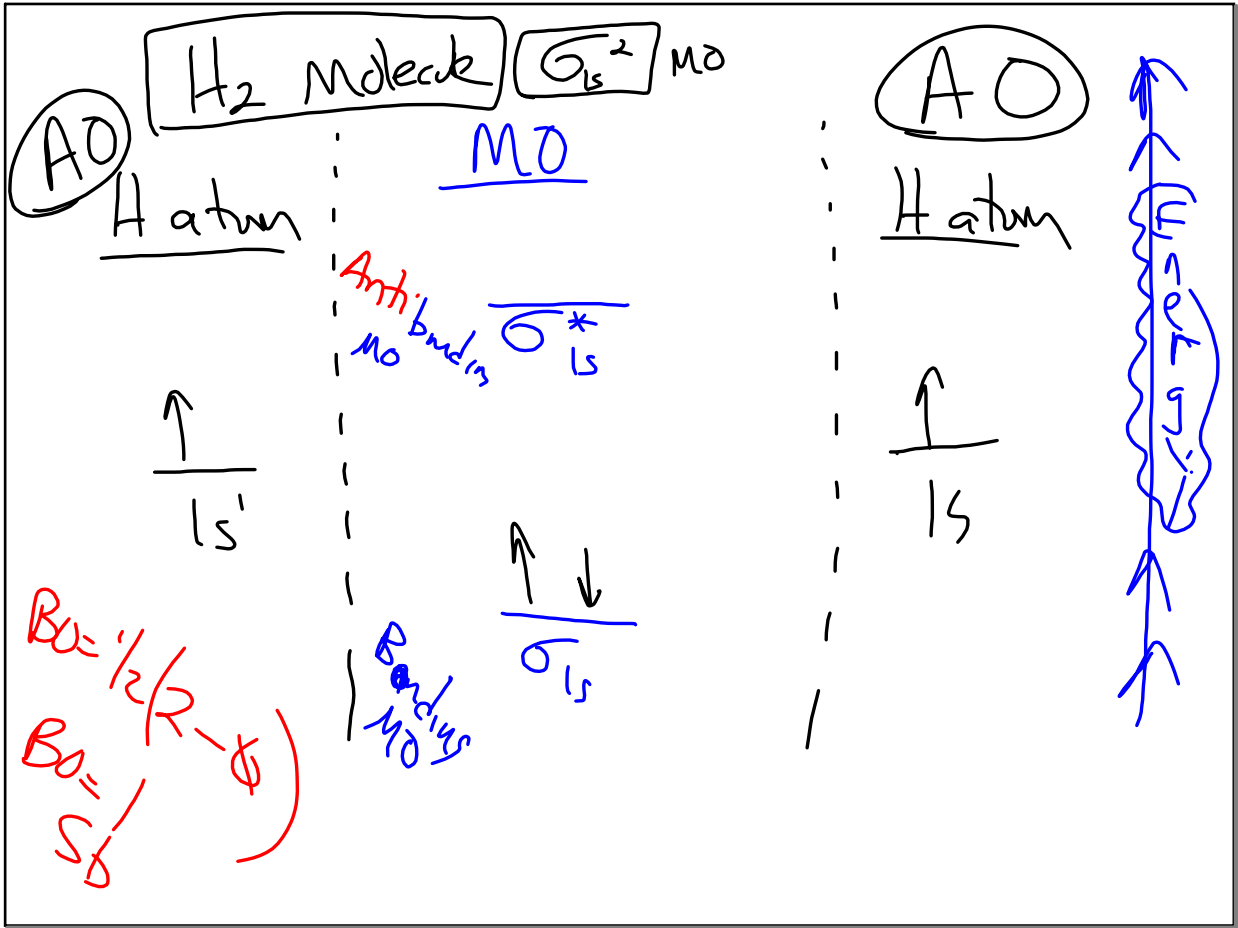


Nov 30-8:34 AM

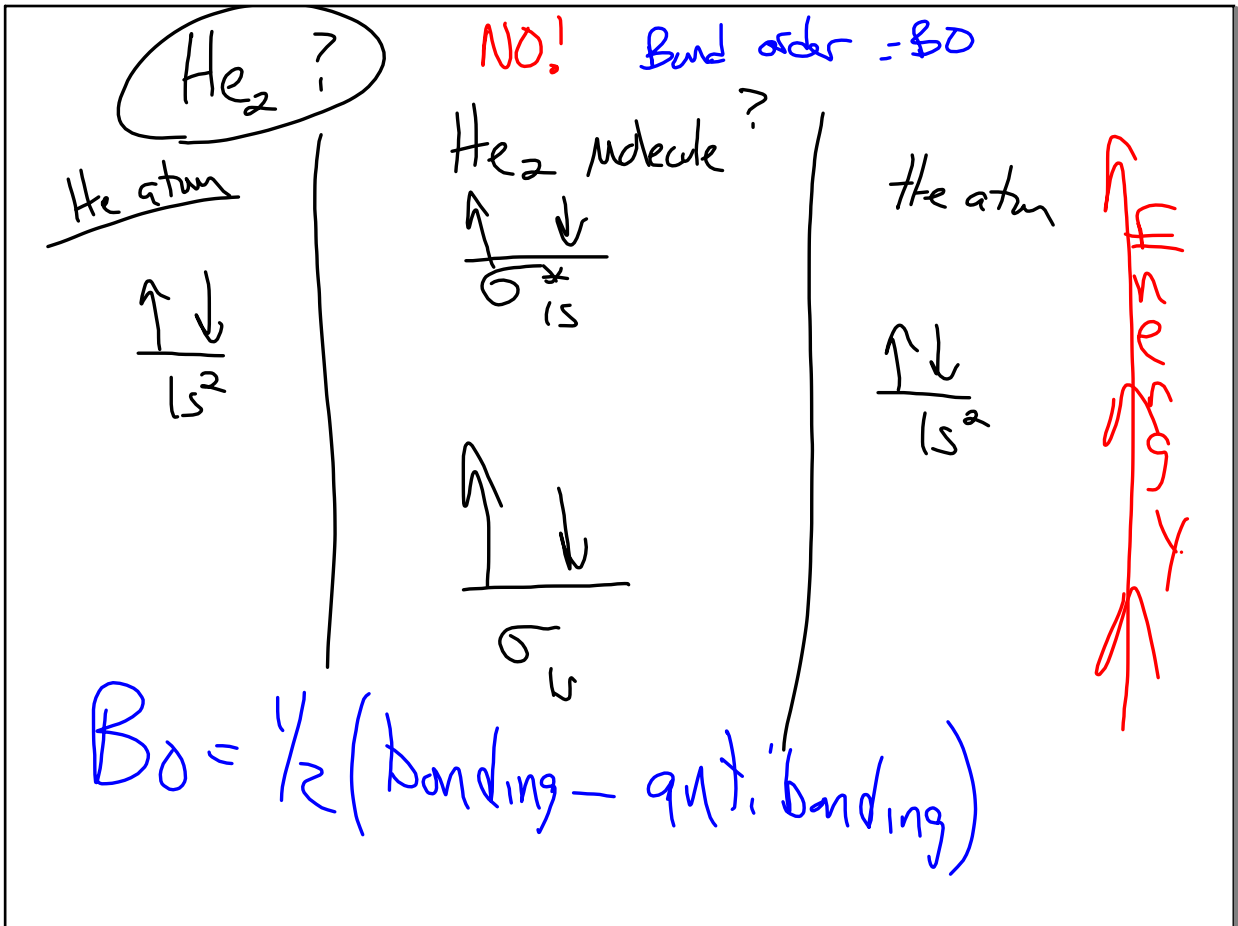
Bonding orbitals  
 ∩  
 STABLE

ANTI Bonding orbitals  
 ∪

Nov 30-8:38 AM



Nov 30-8:39 AM



Nov 30-8:43 AM