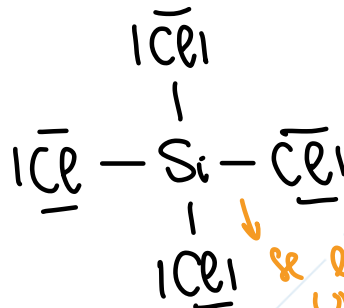


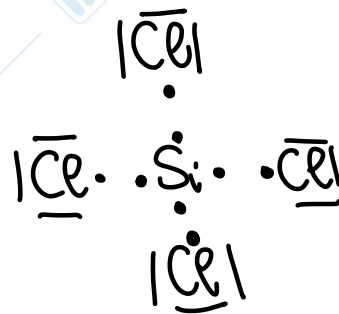
$n^{\circ} e^- = 4 + 7 \times 4 = 32 e^-$   
 ↑  
 di valenza

elemento meno elettronegativo al centro



carica formale

se lo rompo  
uno va nel  
silicio e uno nel cloro

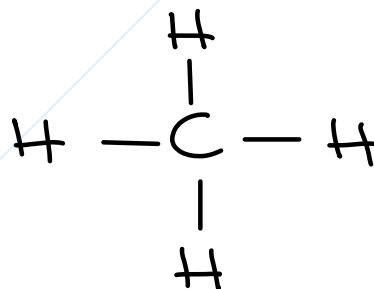


$n^{\circ} e^-$   
di valenza  
↑  
C.F. = V - N - L  
↓  
 $n^{\circ} e^-$   
non  
condivisi  
↘  
 $n^{\circ}$   
di legami

C.F. (Si) = 4 - 0 - 4 = 0

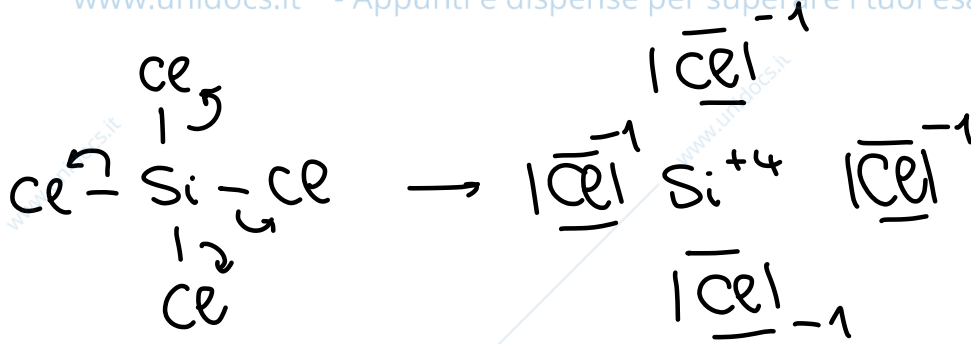
C.F. (Cl) = 7 - 6 - 1 = 0

CH<sub>4</sub>  $n^{\circ} e^- = 4 + 4 \times 1 = 8$

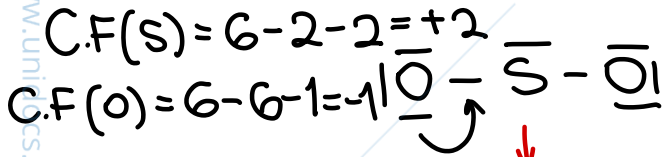


C.F. (C) = 4 - 0 - 4 = 0

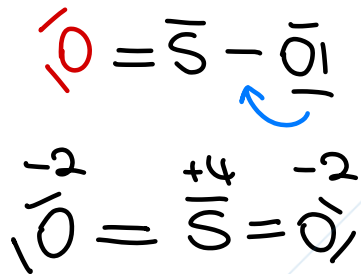
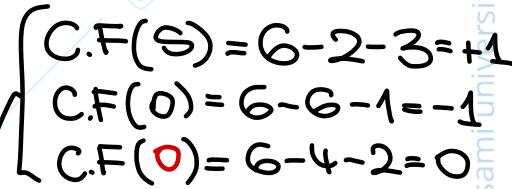
C.F. (H) = 1 - 0 - 1 = 0



$\text{SO}_2$   $n^\circ e^- = 6 + 2 \times 6 = 18e^-$

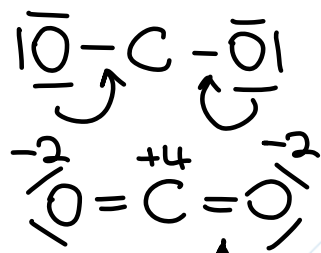


non soddisfa l'ottetto



$\text{C.F.}(S) = 6 - 2 - 4 = 0$   
 $\text{C.F.}(O) = 6 - 4 - 2 = 0$

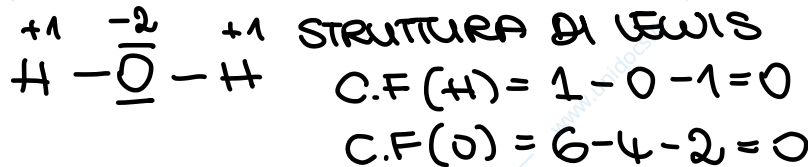
$\text{CO}_2$   $n^\circ e^- = 4 + 2 \times 6 = 16e^-$



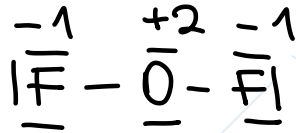
$\text{C.F.}(C) = 4 - 0 - 4 = 0$   
 $\text{C.F.}(O) = 6 - 4 - 2 = 0$

un legame sigma e un pi

$\text{H}_2\text{O}$   $n^\circ e^- = 6 + 2 = 8e^-$

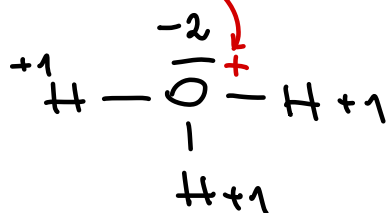


$$\text{OF}_2 \quad n^\circ e^- = 6 + 2 \times 7 = 20 e^-$$



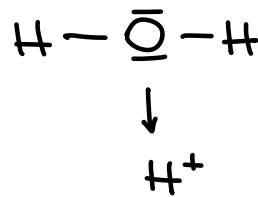
$$\text{C.F.}(\text{O}) = 6 - 4 - 2 = 0$$

$$\text{C.F.}(\text{F}) = 7 - 6 - 1 = 0$$

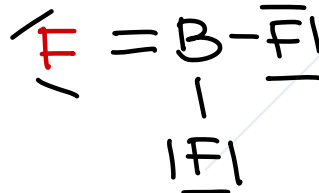
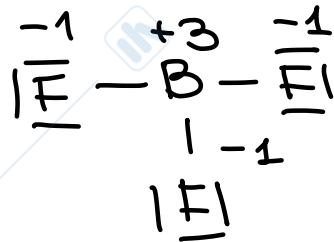


$$\text{C.F.}(\text{H}) = 1 - 0 - 1 = 0$$

$$\text{C.F.}(\text{O}) = 6 - 2 - 3 = +1$$



$$\text{BF}_3 \quad n^\circ e^- = 3 + 7 \times 3 = 24 e^-$$



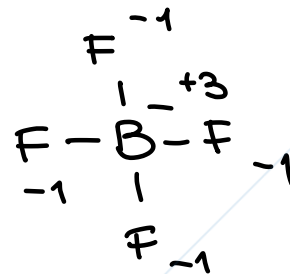
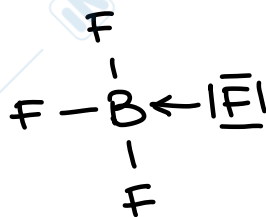
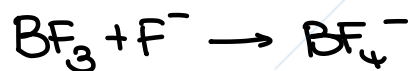
$$\text{C.F.}(\text{B}) = 3 - 0 - 3 = 0$$

$$\text{C.F.}(\text{F}) = 7 - 6 - 1 = 0$$

$$\text{C.F.}(\text{B}) = 3 - 0 - 4 = -1$$

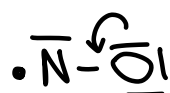
$$\text{C.F.}(\text{F}) = 7 - 6 - 1 = 0$$

$$\text{C.F.}(\text{F}) = 7 - 4 - 2 = +1$$



$$\text{C.F.}(\text{B}) = 3 - 0 - 4 = -1$$

$$\text{NO} \quad n^\circ e^- = 5 + 6 = 11 e^-$$



$$\text{C.F.}(\text{N}) = 5 - 3 - 1 = +1$$

$$\text{C.F.}(\text{O}) = 6 - 6 - 1 = -1$$

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è →  $\cdot \bar{N} = \bar{O}$ ,  
 ea struttura perfetta

$$C.F(N) = 5 - 3 - 2 = 0$$

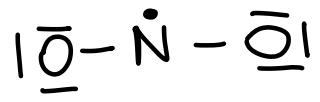
$$C.F(O) = 6 - 4 - 2 = 0$$

$\bar{N} - \bar{O}$   
 nessuno dei 2  
 soddisfa l'ottetto

$$C.F(N) = 5 - 4 - 1 = 0$$

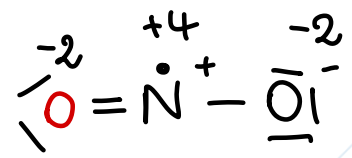
$$C.F(O) = 6 - 5 - 1 = 0$$

$NO_2$  n°  $e^- = 5 + 12 = 17 e^-$



$$C.F(N) = 5 - 1 - 2 = +2$$

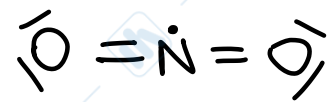
$$C.F(O) = 6 - 6 - 1 = -1$$



$$C.F(N) = 5 - 1 - 3 = +1$$

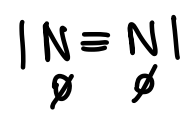
$$C.F(O) = 6 - 4 - 2 = 0$$

$$C.F(O) = 6 - 6 - 1 = -1$$



$$C.F(N) = 5 - 1 - 4 = 0$$

$$C.F(O) = 6 - 4 - 2 = 0$$



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