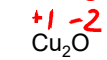
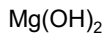


Assegnare il nome tradizionale e IUPAC ai seguenti composti



OSSIDO RAMEOSO

OSSIDO DI DIRAME



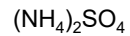
IDROSSIDO DI MAGNESIO

DI IDROSSIDO DI MAGNESIO



ANIDRIDE NITRICA

PENTOSSIDO DI DIAZOTO



AMMONIO



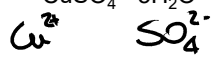
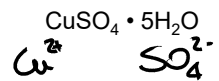
$$-2 \cdot 4 + x = -2$$



SOLFATO DI AMMONIO

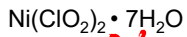
TETRAOSSO SOLFATO(VI) DI  
DIAMMONIO

Assegnare il nome tradizionale e IUPAC ai seguenti composti



SOLFATO RAMEICO PENTAIDRATO

TETRAOSSO SOLFATO(VI) DI RAME PENTAIDRATO



$$-2 \cdot 2 + x = -1$$



CLORITO DI NICHEL EPTAIDRATO

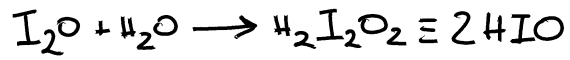


DIDIOSSOCLORATO(III) DI NICHEL EPTAIDRATO

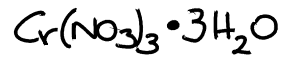
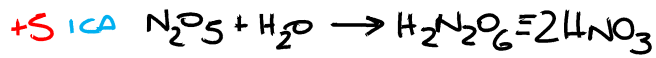


### Assegnare la formula chimica ai seguenti composti

acido ipiodoso



nitrate di cromo triidrato



### Assegnare la formula chimica ai seguenti composti

triossonitrato(V) di sodio



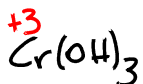
$$+1 + 5 - 2 \cdot 3 = 0$$

tetracloruro di stagno(IV)

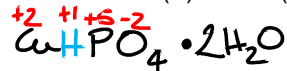


$$+4 - 1 \cdot 4 = 0$$

idrossido di cromo(III)



tetraossofosfato(V) di rame(II) diidrato



$$+2 + 5 - 2 \cdot 4 = -1$$

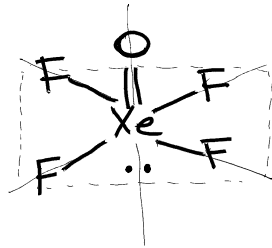
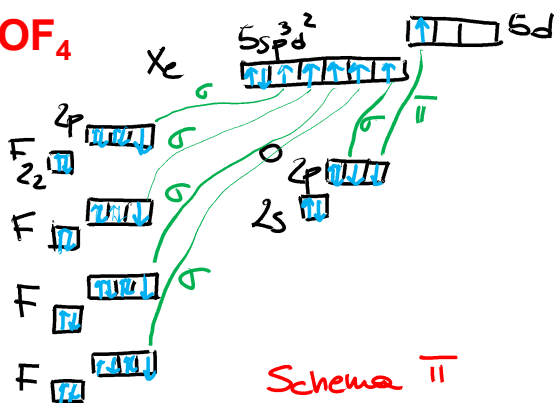
**XeOF<sub>4</sub>** Xe Z=54

~~1s~~  
~~2s 2p~~  
~~3s 3p 3d~~  
~~4s 4p 4d 4f~~  
~~5s 5p 5d 5f~~  
~~6s 6p 6d 6f~~

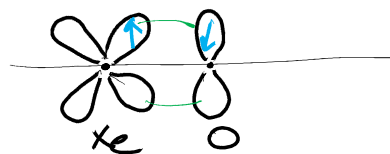
 $1s^2 2s^2 2p^6 3s^2 3p^6 4s^2 3d^{10} 4p^6 5s^2 4d^{10} 6p^6$ 

 Guscio valenza  $5s^2 5p^6$ 
 $n^{\circ} \text{el.} = 8(\text{Xe}) + 2(\text{O}) - 2(\text{O}, \pi) + 1 \cdot 4(\text{F}) = 12 \text{ elettroni}$ 
 $n^{\circ} \text{coppie STRUTTURALI} : 6$ 

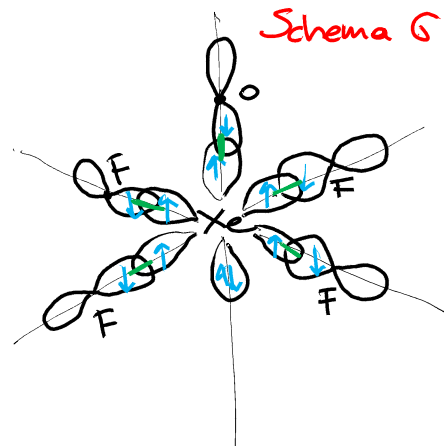
 Geom. Cop. STRUTTURALI  $AX_6$  Xe  $sp^3d^2$ 

 Geom. MOLECOLA  $AX_5E$ 
**XeOF<sub>4</sub>**

Schema II



Schema G



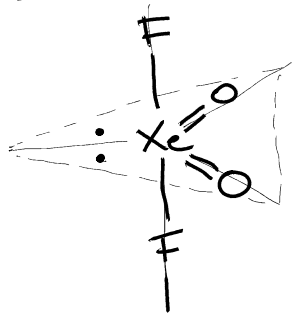
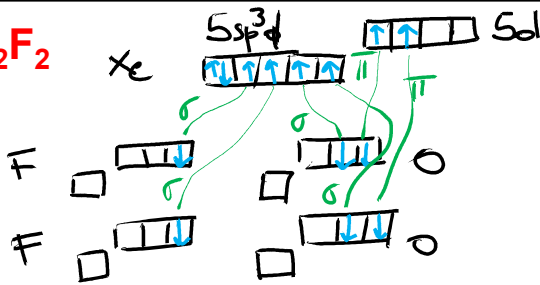
**XeO<sub>2</sub>F<sub>2</sub>** Xe Z=54

1s  
2s 2p  
3s 3p 3d  
4s 4p 4d 4f  
5s 5p 5d 5f  
6s 6p 6d 6f

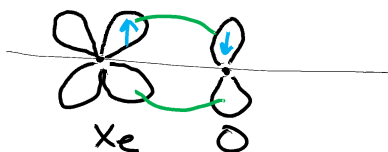
5s<sup>2</sup> 5p<sup>6</sup>

$$n^{\circ} \text{el.} = 8(\text{Xe}) + 2 \cdot 2(\text{O}) - 2 \cdot 2(\text{O} \pi) + 2 \cdot 1(\text{F}) = 10 \text{ el.}$$

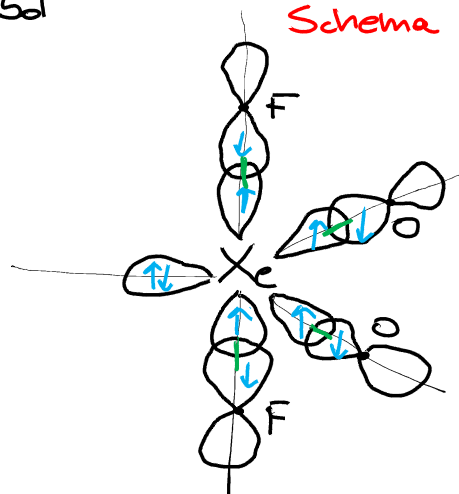
n° coppie strutturali 5

Geom. C. STRUTTURALI  $\Delta X_5$  Xe sp<sup>3</sup>dGeom. MOLECOLA  $\Delta X_4 E$ **XeO<sub>2</sub>F<sub>2</sub>**

Schema II



Schema G



$\text{ICl}_4^-$ I  $Z=53$  $5s^2 5p^5$ 

1s

2s 2p

3s 3p 3d

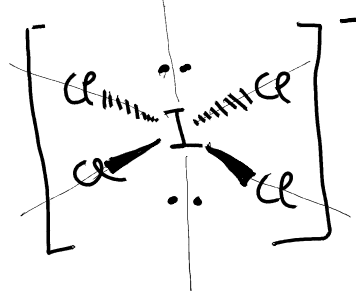
4s 4p 4d 4f

5s 5p 5d 5f

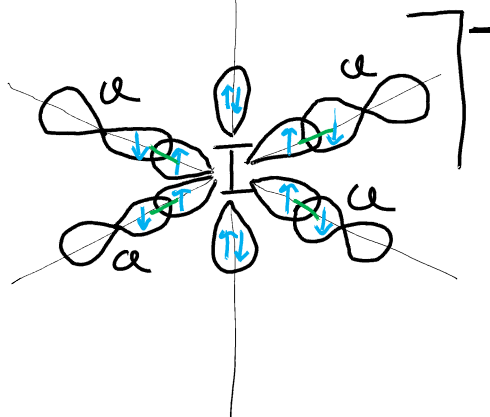
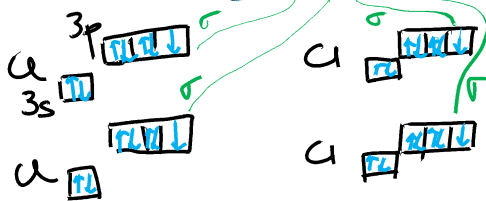
6s 6p 6d 6f

$$\text{mel.} = 7(\text{I}) + 1 \cdot 4(\text{Cl}) + 1(\ominus) = 12 \text{ elettroni}$$

6 coppie STRUTTURALI

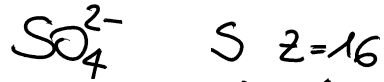
Geom. Coppie STRUTTURALI  $\text{AX}_6$  I  $\text{sp}^3\text{d}^2$ Geom. MOLECOLA  $\text{AX}_4\text{E}_2$  $\text{ICl}_4^-$ I<sup>-</sup> $5s^3\text{p}^2\text{d}^2$ 

5d



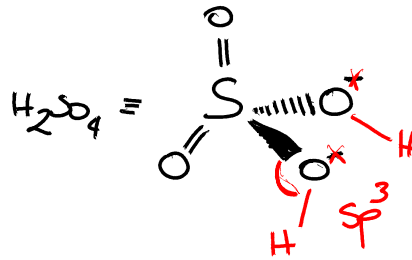
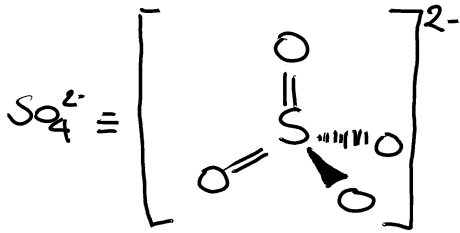


1s  
2s 2p  
3s 3p 3d  
4s 4p 4d 4f  
5s 5p 5d 5f  
6s 6p 6d 6f

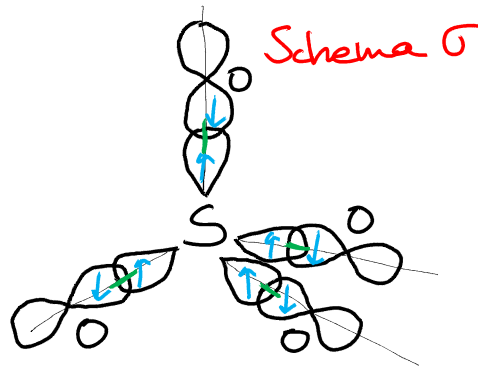
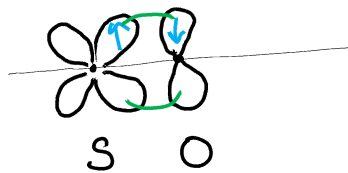
3s<sup>2</sup> 3p<sup>4</sup>

$$n^{\circ} e^- = 6(S) + 4 \cdot 2(O) - 4 \cdot 2(O^-) + 2(-) = 8 \text{ elettroni}$$

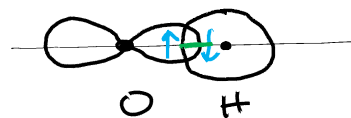
4 coppie strutturali

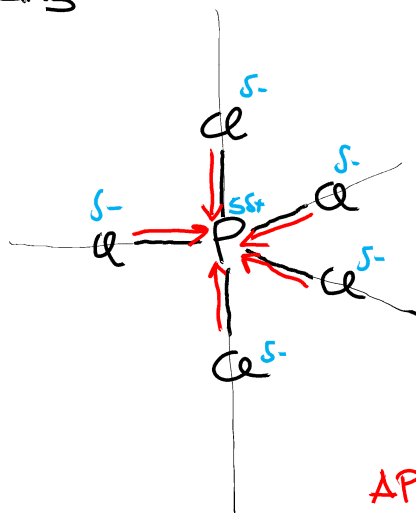
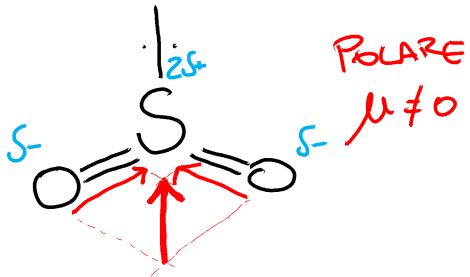
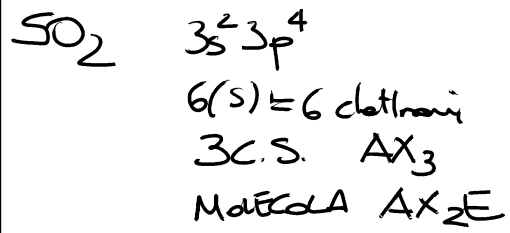
Geom. COPPIE STRUTTURALI AX<sub>4</sub>Geom. molecolare AX<sub>4</sub> S → sp<sup>3</sup>

Schema π



Schema σ

Schema O-H  
(eventuale)

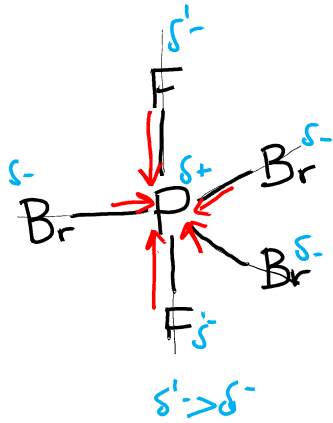


$$\mu = 0$$

$$\mu_{\text{Ax}} = 0$$

$$\mu_{\text{eq}} = 0$$



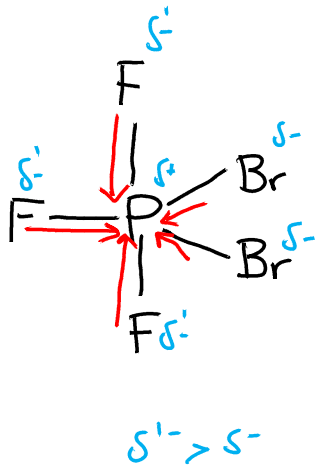
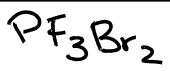


$$\mu = 0$$

$$\mu_{\Delta X} = 0$$

$$\mu_{eq} = 0$$

APOLARE



$$\mu_{\Delta X} = 0$$



$$\mu_{eq} \neq 0$$

$$\mu \neq 0$$

POLARE