

RISPOSTE AGLI ESERCIZI 5. Legami chimici

Pagina 44 Esercizi applicativi (Esercizi da svolgere)

Li 1 C 4 N 5 O 6 Cl 7 Al 3 Mg 2 K 1
P 5 I 7 B 3 Br 7 Be 2 Na 1 Ca 2 S 6

Pagina 44 (Esercizi da svolgere)

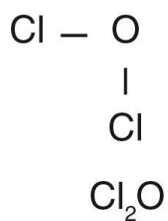
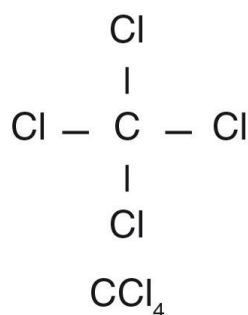
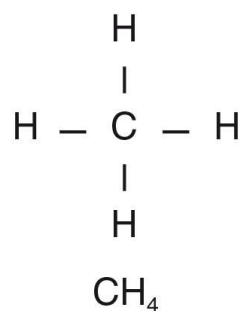
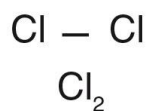
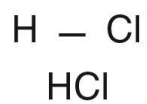
-2	O ₂
+1 +7 -2	KMnO ₄
+2 -1	CaH ₂
+1 -2	Cl ₂ O
0	Na
+1 +6 -2	H ₂ SO ₃
+3 -2	N ₂ O ₃ ⁻
+1 -1	KBr
+1 -2 +1	NaOH
-1	Cl ⁻
+1 +3 -2	HNO ₂
+1 +5 -2	H ₃ PO ₄
+3 +6 -2	Al ₂ (SO ₄) ₃
+7 -2	Cl ₂ O ₇
+1 +5 -2	HBrO ₃
+1 +7 -2	HClO ₄
+2 -1	CuCl ₂
+3 -1	FeCl ₃
+3 -2 +1	Al(OH) ₃
+1 -1 -2	HClO
+6 -2	SO ₃
+5 -2	N ₂ O ₅
+3 -2	Fe ₂ O ₃
+1 -2	H ₂ S
+3 -1	NH ₃

Pagina 45 (Esercizi da svolgere)

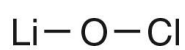
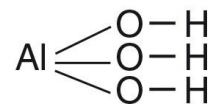
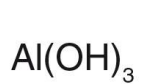
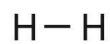
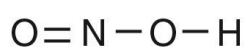
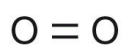
H-Cl	COVALENTE POLARE	
F-F	COVALENTE PURO	
Na-Cl	IONICO	
K-O	IONICO	
Li-F	IONICO	
N-C	COVALENTE POLARE TRIPLO	Errata: è un legame triplo non singolo
C-P	COVALENTE POLARE	
Ca-O	IONICO	
Mg-H	COVALENTE POLARE	
S-O	COVALENTE POLARE	

Pagina 46 tipi di legami

1)

2) N₂ O₂ CO₂3) Cl₂O₃

4)



Pagina 46 Prove strutturate

- a) 1) covalente dativo;
2) covalente puro singolo;
3) ionico;
4) a idrogeno;
5) covalente dativo;
6) covalente puro;
7) uno;
8) elettronegatività;
9) elettroni;
10) valenza.

Pagina 47 Prove strutturate (segue)

- b) 1) V; 2) V; 3) F; 4) V; 5) V; 6) V; 7) F; 8) F; 9) V; 10) F
c) 1) b; 2) c; 3) a; 4) d; 5) b; 6) c; 7) a; 8) c; 9) b; 10) d