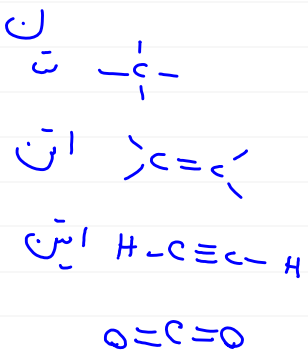
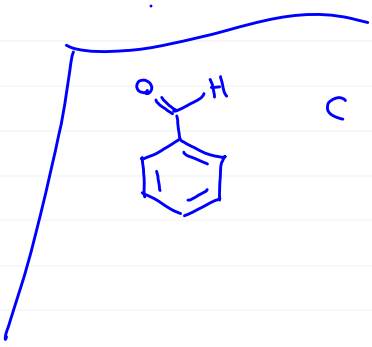
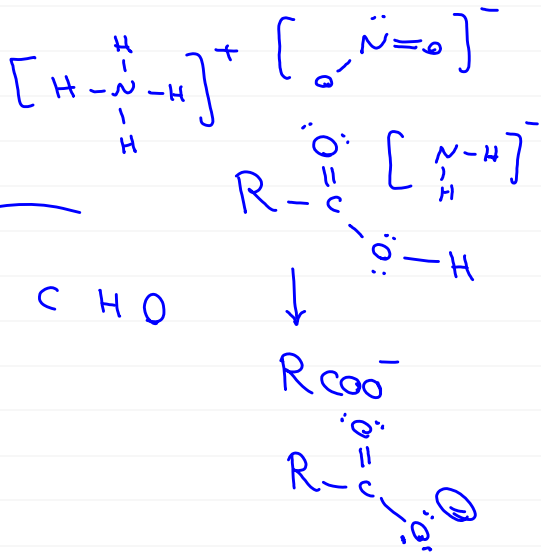
$_{33}As : [Ar]\ 3d^{10}\ 4s^2\ 4p^3$

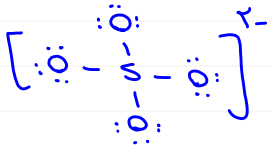
As

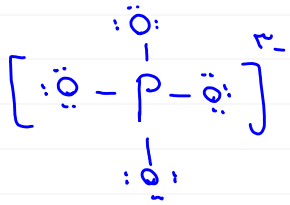


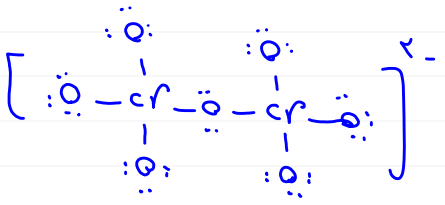




SO_4^{2-}

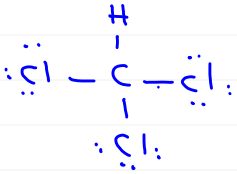






$CHCl_3$

$12+1+35.5\times3=119.5$



SO_3

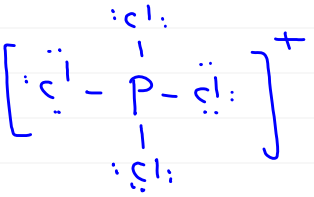
80

N_2O

44

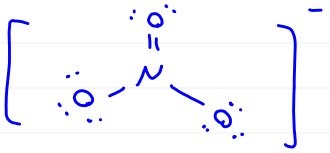
PCl_4^+

$31+4(35.5)-1=172$



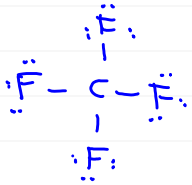
NO_3^-

$14+3(16)+1=62$



CF_4

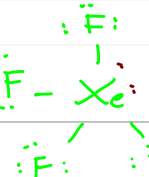
$12+4(19)=88$



ClF_3 28 26

XeF_4

$8+28=36$ 32



HCN $H-C\equiv N:$

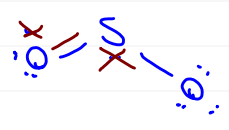
$1+4+5=10$

14

SO_3

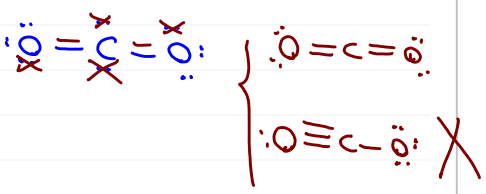
$6+3(7)=24$

26



CO_2

$4+12=16$ 20



گونه‌ای که

۱) تعداد اتم جایی دارند (H نباشه)

۲) مجموع e لایه ظرفیت با هم برابر

CO_2 ۱۶

CS_2 ۱۶

N_3^- ۱۶

N_2O ۱۶

NO_2^+ ۱۶

ساختار لوییس یکسان دارند ⇐

SO_3 NO_3^-

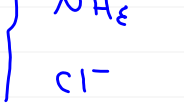
SO_2 O_3 NO_2^-

NCl_3 PBr_3 NF_2Cl . . .

CCl_2F_2 SiF_4 $SiBr_4$ . . .

H_2O H_2S H_2Se . . .

سدیم سولفات Na_2SO_4 یونی Na^+ SO_4^{2-}

آمونیوم کلرید NH_4Cl NH_4^+ Cl^- 

$C_2H_{12}O_2$

$p.e=\frac{2(4)+12(1)+2(2)}{2}=24$

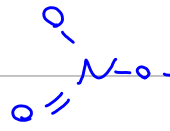
$n.e=2(2)=12$

N_2O_3

$p.e=\frac{2(3)+3(2)}{2}=6$

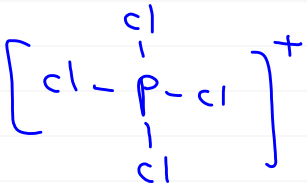
N_2O_5

$p.e=\frac{2(3)+5(2)}{2}=8$



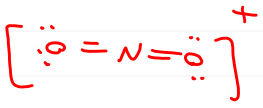
PCl_4^+

$P.e = \frac{3+4(1)+1}{2} = 4$



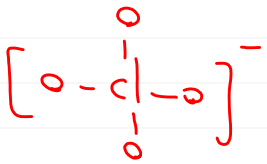
NO_2^+

$P.e = \frac{3+2(2)+1}{2} = 4$



ClO_4^-

$P.e = \frac{1+4(2)-1}{2} = 4$



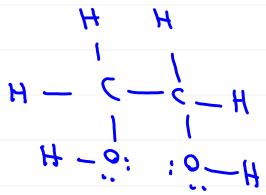
C_nH_{2n+2}

C_nH_{2n}

$C_2H_2O_2$

$P.e = \frac{2(4)+2+2(3)}{2} = 9$

$n.e = 4$



$C_{57}H_{110}O_6$

$P.e = \frac{57(4)+110+2(3)}{2} = 178$

$C_{57}H_{104}O_6$

$= 172$

$C_{15}H_{32}$

$C_{15}H_{26}$

$32-26=6 \quad \frac{6}{2}=3$