

1. Draw the Lewis structure of each of the following ionic compounds.

a. KBr

b. AlCl_3

c. MgO

d. Li_2S e. K_3P

2. Assign Lewis structures to the following molecules.

HCl H Cl		I_2 	
ICI Cl		C_2H_6 H H H C C H H H	
C_2H_4 H H C C H H		C_2H_2 H C C H	
BeF_2 F Be F		O_2 O O	
SCl_2 Cl S Cl		N_2 N N	
H_2CO O H C H		C_4H_4 H H C C C C H H	

HCN H.....C.....N		BH ₃ H H.....B.....H	
HCSCl S H.....C.....Cl		NO ₂ ⁻ [O.....N.....O] ⁻	
NO ⁺ [N.....O] ⁺		NCOH H.....O.....N.....C	
NH ₂ ⁻ [H.....N.....H] ⁻		SO ₂ O.....S.....O	
S ₂ Cl ₂ Cl.....S.....S.....Cl		N ₂ H ₂ H H N.....N H H	
SF ₆ F F.....S.....F F.....F		CNO ⁻ [C.....N.....O] ⁻	
NO ₃ ⁻ [O.....N.....O] ⁻ O		C ₄ H ₄ H.....C.....C.....H H.....C.....C.....H	
N ₂ O ₃ O.....N.....N.....O O		CH ₃ CO ₂ H H O H.....C.....C.....O.....H H	
SeBr ₄ Br Br.....Se.....Br Br			