

1. For each of the pairs below: a) determine the type of bond, b) determine the compound formula, and c) draw the Lewis structure. (Hint: for ionic draw ions with charges. For covalent draw Lewis dot diagrams and share pairs of electrons.)

a. Li and Br

b. Mg and Cl

c. Sr and O

d. O and O

e. Na and P

f. C and Cl

g. Si and O

h. Ba and N

i. Be and Kr

2. For each of the following, draw the Lewis Structure of the molecule

a. Hydrogen chloride HCl

b. Ammonia NH_3 c. Water H_2O d. Carbonate CO_3^{2-}