

Drawing Chemical Bonds

Practice making diagrams of ionic and covalent bonds. Carefully study Figures 7-7, 7-11, and 7-13 in your text. Then draw the bonds formed in the substances listed below. The number of valence electrons in the atoms of each element is provided.

Valence Electrons

F 7

Br 7

Cl 7

Mg 2

H 1

K 1

C 4

1. fluorine molecule, F_2 4. hydrogen bromide, HBr 2. potassium chloride, KCl 5. methane, CH_4 3. magnesium chloride, $MgCl_2$ 6. carbon tetrachloride, CCl_4