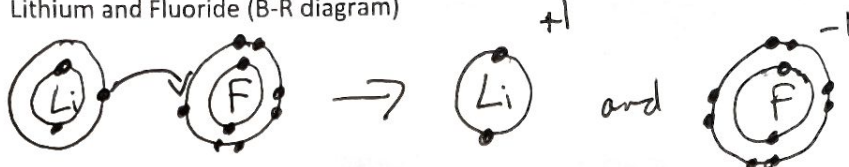


IONIC BONDING

Draw the B-R for the first pair and Lewis Dot diagrams for #2-7 to show the transfer of electrons and determine the resulting ionic bonding compound.

Crossover
method
 $\text{Li}^+ \text{F}^-$
 Li F

1. Lithium and Fluoride (B-R diagram)



Compound

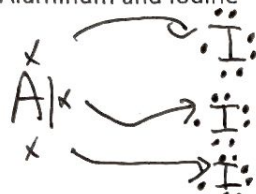
Li F
lithium fluoride

2. Sodium and Oxygen



Na_2O
sodium oxide

3. Aluminum and Iodine



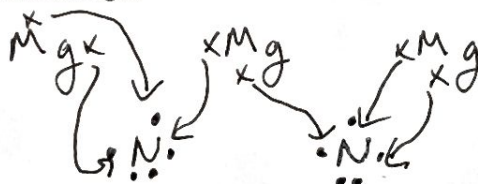
Al I_3 aluminum iodide

4. Potassium and sulfur



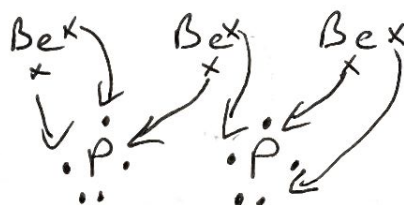
K_2S potassium sulfide

5. Magnesium and Nitrogen



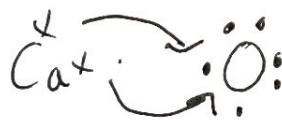
Mg_3N_2 magnesium nitride

6. Beryllium and Phosphorous



Be_3P_2 beryllium phosphide

7. Calcium and oxygen



Ca O calcium oxide.

Reduce

Ca O

same formula with neutral charge (as per all above)