Naming Binary Ionic Compounds

Write the formula for the following ionic compounds using the criss-cross method. Show all your work.

1. strontium and chlorine
2. nickel (II) and fluorine
3. beryllium and fluorine
4. beryllium and nitrogen
5. lithium and nitrogen
6. sodium and oxygen
7. magnesium and sulfur
8. aluminum and sulfur
9. iron (II) and oxygen
10. calcium and chlorine

Write the name of the following formulas. (Write down the name of the first and then write down the name of the second changing the ending to –ide)

1. BaO
2. Li3N
3. FeI2
4. Al2S3
5. NaBr
6. Be3P2
7. CaO
8. K2S
9. NiF
10. BaCl