

**Metals are Losers!**

Show how the following elements react (**as done in class**). Also, write the chemical formula and the chemical name of the compound formed.

**HINT:** you are not limited to one atom of each element. Use as many as needed to attain stable octets for all the atoms involved.

1) Sodium & Chlorine

2) Sodium and Oxygen

3) Calcium & Flourine

4) Aluminum & Chlorine

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5) How many electrons does each of the following ions have?

a)  $K^{+1}$

b)  $S^{-2}$

c)  $H^{+1}$

How many electrons does this ion need to be "happy"?