

## NAMING COMPOUNDS

### BINARY COMPOUNDS (SALTS)

simple binary compound -

non - simple binary compound -

#### STEPS FOR NAMING BINARY COMPOUNDS ( Stock or IUPAC Method):

- 1) Name the positive ion first by its element name.
- 2) Check the Periodic Table to see whether the positive ion has more than one possible O.N. .
  - a) If the element has only one O.N. listed, then go onto step 3).  
Ex.  $Mg^{+2}$
  - b) If the element has more than one O.N. listed, Ex.  $Cu^{+1,+2}$ , then do the "zero sum rule" to determine the O.N. for the positive ion. Write the O.N. for the positive ion in brackets using a Roman numeral. Ex.  $Cu^{+1}$  becomes copper (I)
- 3) Name the negative ion next. All negative ions for single elements end in "ide".

#### EXAMPLES:



#### LIST OF ROMAN NUMERALS:

1 = I	5 = V
2 = II	6 = VI
3 = III	7 = VII
4 = IV	8 = VIII