

Type II Ionic Compounds

- has transition metals & nonmetals/polyatomic ions

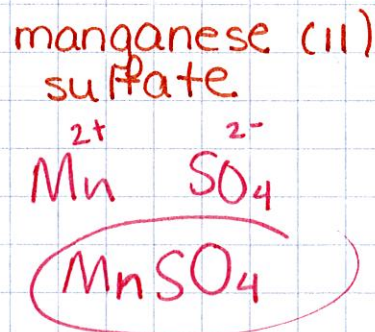
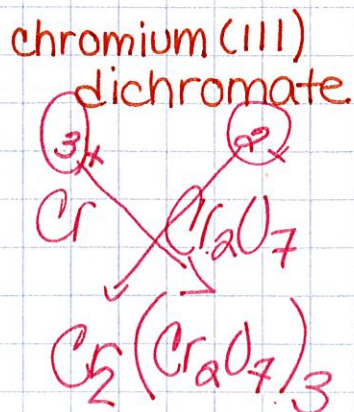
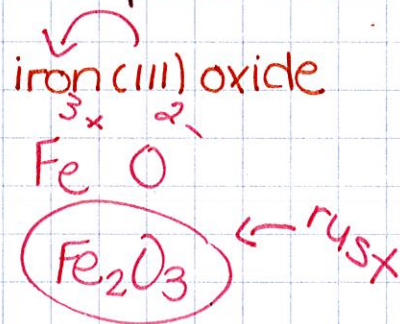
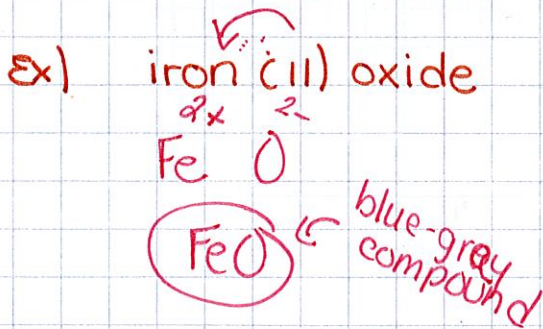
- ↓
- can have more than one charge.
 - you must be told the charge. - Roman Numerals

- Roman numerals

1	<u>I</u>	5	<u>V</u>	9	<u>IX</u>
2	<u>II</u>	6	<u>VI</u>	10	<u>X</u>
3	<u>III</u>	7	<u>VII</u>		
4	<u>IV</u>	8	<u>VIII</u>		

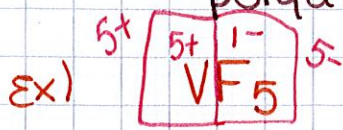
- Writing Formulas

- (1) write symbol & charge of metal
- (2) Do same for the nonmetal/polyatomic ion
- (3) criss-cross charges (use parentheses if needed)



- Writing Names

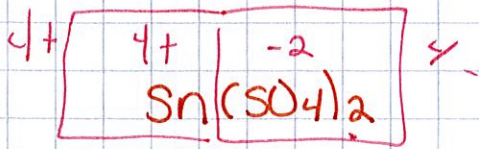
- (1) write name of metal
- (2) write the original charge of the metal as a Roman numeral
- (3) write name of nonmetal (change ending to -ide) / polyatomic ion



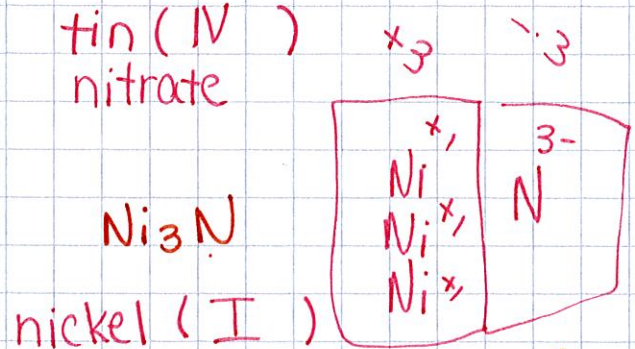
vanadium (V)
fluoride



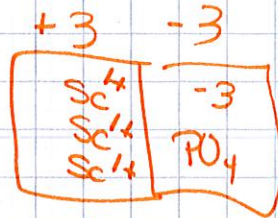
tin (IV)
nitrate



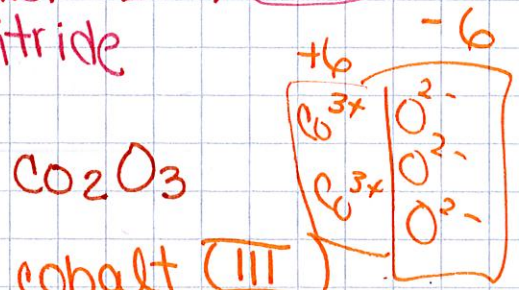
tin (IV)
sulfate



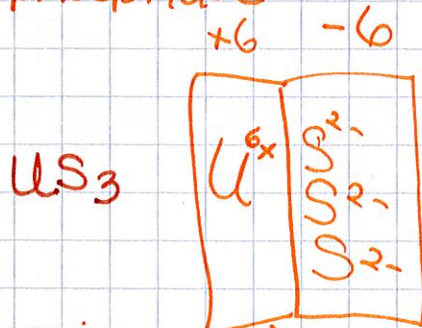
nickel (I)
nitride



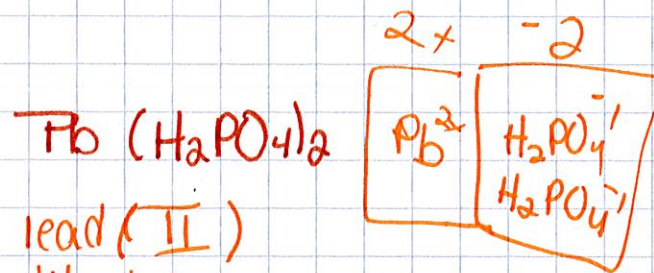
scandium (I)
phosphate



cobalt (III)
oxide



uranium (VI)
sulfide



lead (II)
dihydrogen
phosphate

FIVE STAR

FIVE STAR

FIVE STAR

FIVE STAR
