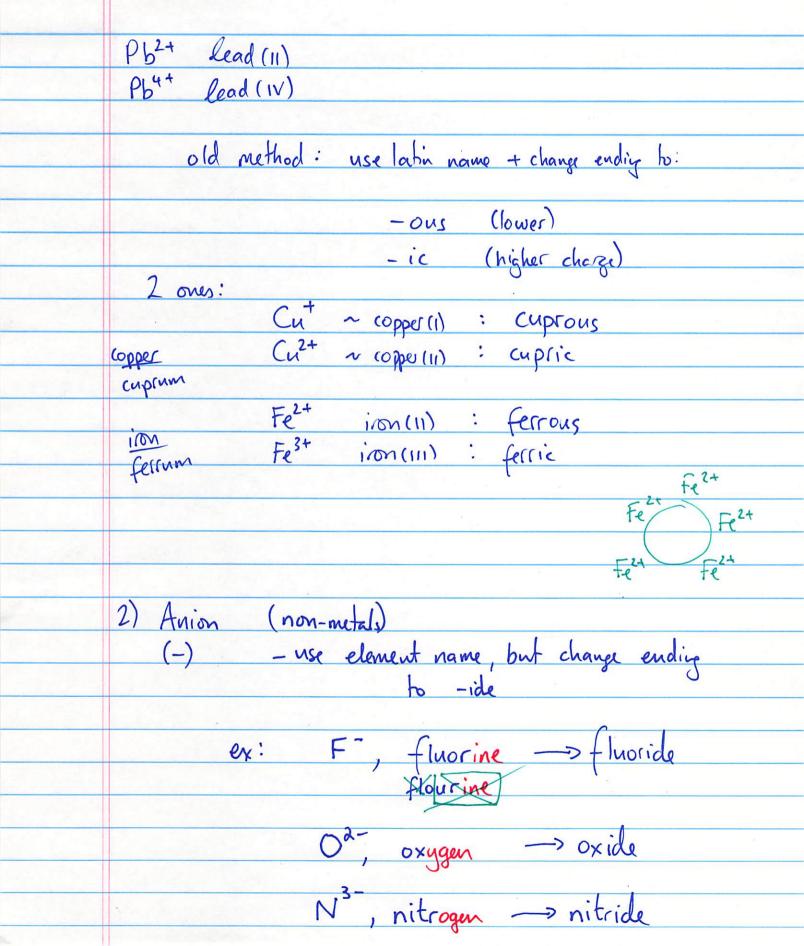
01	
9/13/2019	
	$C_{a}^{2+}$ $O^{2-}$
	[CaO] formula simplify
	1:1
	Mamine ionic compounds
	1 Cation name - 2 anion name
	(+)
	(1) Carion name (metals)
	ex: element name. Nat = Sodinm  Mg2+ = magnesium  AB+ = aluminum
	Mg2+ = magnesium
	AB+ = aluminum
	however, some metal ions can take >1 charge!
	a transition metals (except Agt
	transition metals (except Agt 72+)
	D'heavy metals
	53+/+ 54+ + tin (1V)
	In Su 4+/2+ (2+: tin (11))
6 37	$G_{10}^{3+/+}$ $G_{11}^{3+/+}$ $G_{11}^{3+/+}$ $G_{12}^{3+/+}$ $G_{11}^{3+/+}$ $G_{12}^{3+/+}$ $G_{11}^{3+/+}$ $G_{12}^{3+/+}$ $G_{11}^{3+/+}$ $G_{12}^{3+/+}$ $G_{11}^{3+/+}$ $G_{12}^{3+/+}$ $G_{11}^{3+/+}$ $G_{12}^{3+/+}$ $G_{13}^{3+/+}$ $G_{14}^{3+/+}$ $G_{14}^{3+/+}$ $G_{15}^{3+/+}$ $G_{15}^{3+/+$
	element name ()
	element name ()  Charge in Roman numerals.



CaIz Mg<sup>2+</sup> O<sup>2-</sup> Ca<sup>2+</sup> I<sup>-</sup>
I<sup>-</sup>
magnesium oxide Calcium iodide CuI NasN PO3 KBr FeBr. ionic ionic not ionic Fe Br Br so, must be 2+ iron(11) bromide = FeB12 Name: LizP, Cus Lit P3 Cu? S2-Lit phosphorus? lithium phosphide copper(11) sulfide or cupric sulfide Some ions have >1 alon: POLYATOMIC ions

																									1000			
B	_8	- 6	- 1	100	_600	. 10	B7 B3		man -	ABRIGH	12 (20)		7						-	September 1	See See	Married Land		g <sub>radi</sub> es	GG 1			400
888	100	AT	8 ~ 4	1 100	700	EC 488	F & RD		DUB.	7.7		1 -	1 6000	2			I'm	. 100	1 -4	AV.	6- 4	of m		1 f e	666 I		0 1	-488
88	8	mos.	8 20	1 100	PROPERTY.		nes ell	200	9992	Y 1	3.0	L ** 100	F-2	-4	8 8	188			1 500	 B. A		7	4 8 8	LL.	588.1	~	1.5	_80
200	:Cost	-	damenti	Serendo	MOTOR CO.	David Direct			SCHOOL STATE	SSM100	eliterile)	EDWEIGHT.								ra	STATE OF							

Name	Formula	Name	Formula	1.4
Acetate	C <sub>2</sub> H <sub>3</sub> O <sub>2</sub> <sup>-</sup>	Hypochlorite	CIO-	ignore crossed out
Carbonate	CO <sub>3</sub> <sup>2-</sup>	Chlorite	ClO <sub>2</sub> -	1940.
Hydrogen carbonate (or bicarbonate)	HCO <sub>3</sub>	Chlorate	ClO <sub>3</sub>	
Hydroxide	OH-	Perchlorate	ClO <sub>4</sub> -	
Nitrite	NO <sub>2</sub> -	Permanganate	MnO <sub>4</sub> -	
Nitrate	NO3- mote O	Sulf <u>ite</u>	SO <sub>3</sub> <sup>2-</sup>	-ite (I fewer o)
Chromate	CrO <sub>4</sub> <sup>2-</sup>	Hydrogen sulfite (or bisulfite)	HSO <sub>3</sub> -	The Company
Dichromate	Cr <sub>2</sub> O <sub>7</sub> <sup>2</sup> -	Sulfate	SO <sub>4</sub> <sup>2-</sup> -	nte (Igreatud)
Phosphate	PO <sub>4</sub> <sup>3-</sup>	Hydrogen sulfate (or bisulfate)	HSO <sub>4</sub>	
Hydrogen phosphate	HPO <sub>4</sub> <sup>2</sup>	Cyanide	CN-	
Dihydrogen phosphate	H <sub>2</sub> PO <sub>4</sub> -	Peroxide	022-	
Ammonium	NH <sub>4</sub> <sup>+</sup>	the number of oxygen atoms in the ion. If with more oxygen atoms has the ending -at		
© 2020 Pearson Education, Inc.		For example, $NO_3^-$ is <i>nitrate</i> and $NO_2^-$ is <i>nitrate</i>		· ·

NO<sub>3</sub> nitrate NO<sub>2</sub> nitrite

If there are more than two ions in the series, then the prefixes *hypo*-, meaning *less than*, and *per*-, meaning *more than*, are used. So  $ClO^-$  is hypochlorite (less oxygen than chlorite), and  $ClO_4^-$  is perchlorate (more oxygen than chlorate).

ClO hypochlorite

ClO<sub>2</sub> chlorite

ClO<sub>3</sub> chlorate

ClO<sub>4</sub> perchlorate

X)	Sodium nitrite = Nat NOE
	NaNO <sub>2</sub>
	calcinm hydroxide = Ca2+ OHT
	CaOH <sub>2</sub> ×
	Ca(OH), V use () for >1 polyatomic ion!
	71 polyatomic 1011: