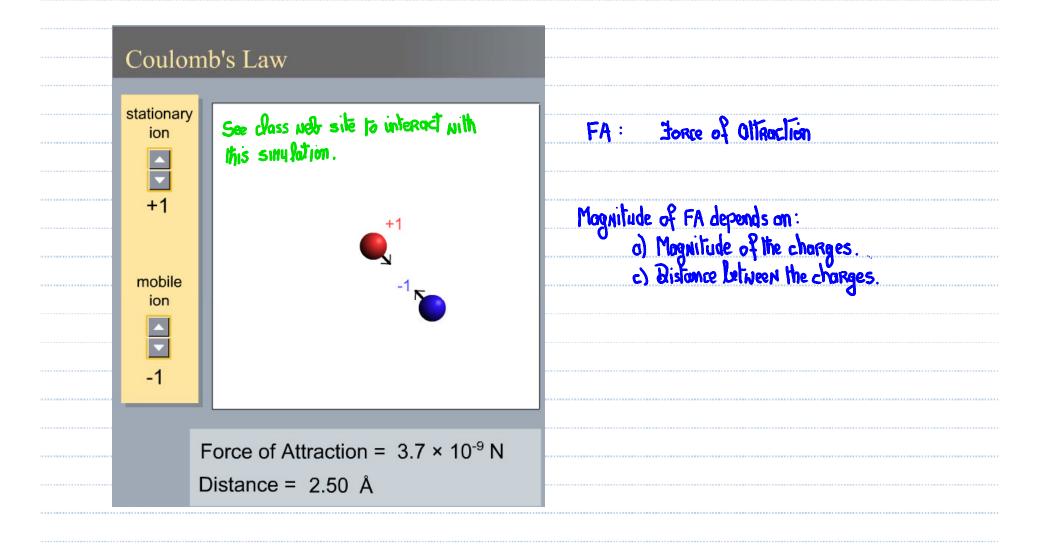
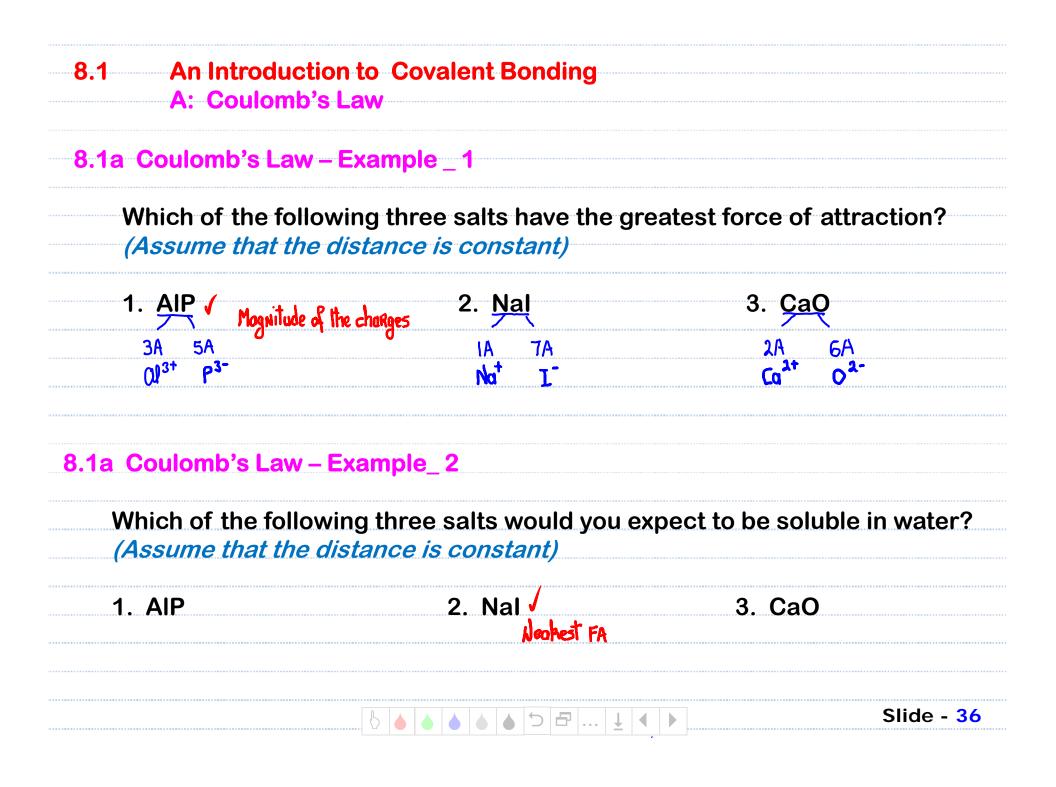
1. Class Web Site:	www.chem.umass.edu/genchem		
2. Add/Drop:	Friday, May 22 th		
3. No Class:	Monday, May 25 th , Memorial Day		
4. First Lab:	Tuesday, May 26 th , ISB 155		

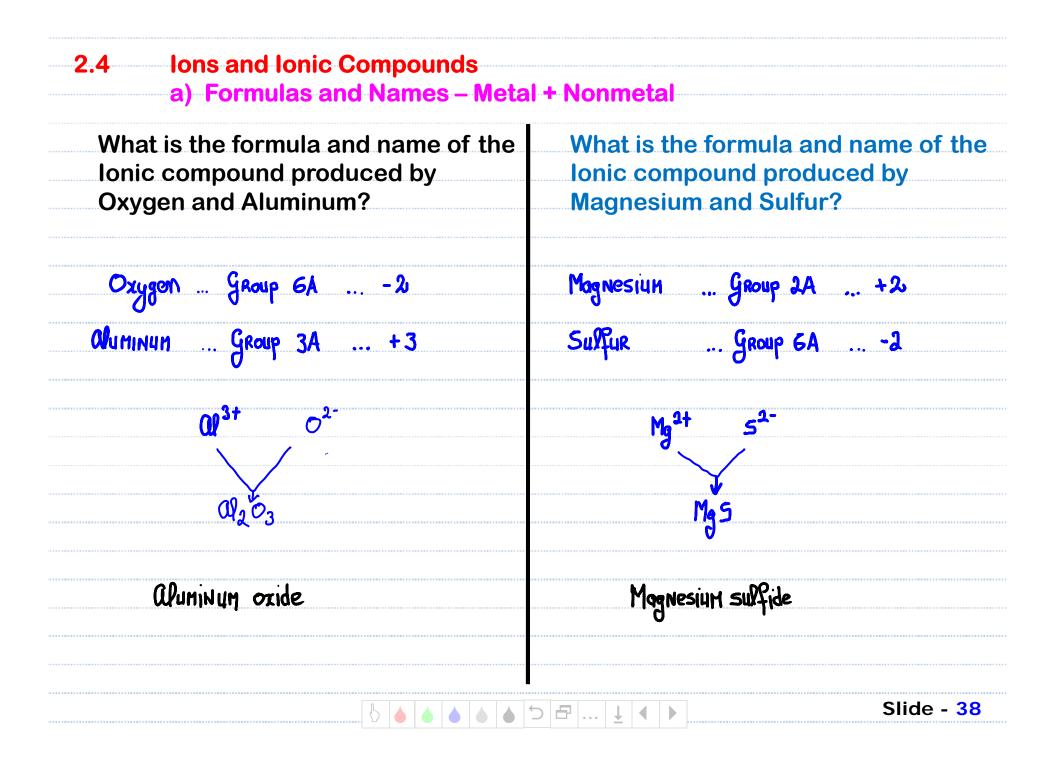
Quiz 2	Last Name:	Class No
A certain ele	ment consists of two stat	ole isotopes:
	Exact Mass (amu)	Abundance (%)
#1	112.9043	4.28
#2	114.9041	95.72
Give answer	to 6 significant figures	
	0.0428(112.9043) + 0.	.9572(114.9041) = 114.8185086
	0.0428(112.9043) + 0.	.9572(114.9041) = 114.8185086 114.819 amu
	0.0428(112.9043) + 0.	-
	0.0428(112.9043) + 0.	-
	0.0428(112.9043) + 0.	-
	0.0428(II2.9043) + 0.	-
	0.0428(112.9043) + 0.	-
		-
		114.819 amu

8.1 An Introduction to Covalent Bonding Coulomb's Law





2.4 Ions and Ionic Compounds a) Formulas and Names – Meta	I + Nonmetal
What is the formula and name of the lonic compound produced by Calcium and Chlorine?	Naming :
Calcium Group 2A +20	Cation Name comes first
Chlorine Group 7A - 1	Calcuin chloride
	5 🗗 🛓 ◀ 🕨 Slide - 37



Ions and Ionic Compounds 2.4 b) Formulas and Names – Metal + Polyatomic Give the correct chemical formula for Give the correct chemical formula for the ionic compound, calcium chlorate. the ionic compound, sodium phosphate. Sodium Cakin GROUP 2A GROUP 1A +2 + P043-Phos phate Chlorate $(20_3)^{-1}$ -3 PO4 3 **G**^{2†} Nat C103 Ga(CPO3) Ng2PO4 Note the use of parenthesis Ca(ClO3), and Not CaCl2OG Slide - 39 P 5

What is the correct chemical formula for the ionic compound Iron oxide x		What is the correct name for the ionic compound Cu(NO ₃) ₂			
			Ľu(N	03)2	
Oxygen	Group GA	-2		1	
Iron	Group ER	2	Cu : 2x NO3 :		
<u> Ikon</u>	Group &B			0	
		·		γ [?] = +2	
Sam 🔶	llagious name!				
Ø		Copper(11) Nitrate			
The name should be such so as to indicate		Roman numerals used to designate the charge			
the charge that is on the Iransition Metal.		on the tra	ensition metal.	0	
				gs this always adhered to	No
				in ONL	No
				in this class	Yes
				in my exams	YES