

Name _____ Period _____

CP Chemistry of the Earth

Assignment 4O – Writing Ionic Compounds from Ionic Compound Names

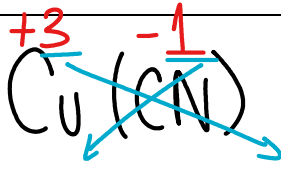
20 Points

For the following ions of ionic compounds, determine the ionic formula and charge

Aluminum Chloride	
Aluminum	Chloride
Metal Ion	Non-Metal Ion
Cross Method	
Ionic Formula	

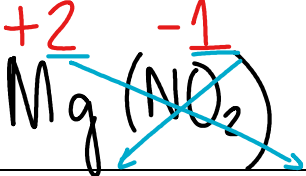
Sodium Oxide	
Sodium	Oxide
Metal Ion	Polyatomic Ion
Cross Method	
Ionic Formula	

Calcium Nitride	
Calcium	Nitride
Metal Ion	Polyatomic Ion
Cross Method	
Ionic Formula	

Copper(III)Cyanide	
Copper(III)	Cyanide
Metal Ion	Polyatomic Ion (<i>Base</i>)
Cu^{3+}	CN^{1-}
Cross Method	
	
Ionic Formula	
$\text{Cu}(\text{CN})_3$	

Lithium Bromate	
Lithium	Bromate
Metal Ion	Polyatomic Ion (<i>Base</i>)
Cross Method	
Ionic Formula	

Iron(II)Phosphate	
Iron(II)	Phosphate
Metal Ion	Polyatomic Ion (<i>Base</i>)
Cross Method	
Ionic Formula	

Magnesium Nitrite	
Magnesium	Nitrite
Metal Ion	Polyatomic Ion (<i>Conj</i>)
Mg^{2+}	NO_2^{1-}
Cross Method	
	
Ionic Formula	
$Mg(NO_2)_2$	

Vanadium(III)Carbonite	
Vanadium(III)	Carbonite
Metal Ion	Polyatomic Ion (<i>Conj</i>)
Cross Method	
Ionic Formula	

Zinc(I)Chlorite	
Zinc(I)	Chlorite
Metal Ion	Polyatomic Ion (<i>Conj</i>)
Cross Method	
Ionic Formula	