

Name _____ Period _____

CP Chemistry of the Earth

Assignment 4L – Conjugated Form Polyatomic Ionic Compound Review

20 Points

For the following positive and negative polyatomic ions, complete the chart

Base Form Polyatomic Ions			Conjugated Form Polyatomic Ions		
Polyatomic Ion	Charge	Polyatomic Ion Name (<i>Include Ion</i>)	Polyatomic Ion	Charge	Polyatomic Ion Name (<i>Include Ion</i>)
NO_3^{1-}			NO_2^{1-}		
ClO_3^{1-}			ClO_2^{1-}		
BrO_3^{1-}			BrO_4^{1-}		
CO_3^{2-}			CO_2^{2-}		
CrO_4^{2-}			CrO_3^{2-}		
PO_4^{3-}			PO_3^{2-}		

Elements	Mg	NO_3^{1-}
Ion Charge		
Cross Method		
Ionic Formula		

V^{3+}	ClO_2^{1-}

Zr^{1+}	BrO_3^{1-}

Elements	Pb^{4+}	CO_2^{2-}
Ion Charge		
Cross Method		
Ionic Formula		

Y^{3+}	CrO_4^{2-}

Al	PO_3^{3-}

Elements	W^{6+}	BrO_2^{1-}		Sn^{4+}	CrO_3^{2-}		Fe^{2+}	NO_2^{1-}
Ion Charge								
Cross Method								
Ionic Formula								