Name _____ Period _____

CP Chemistry of the Earth

Assignment 4N – Ionic Compound / Reaction Type Review 20 Points

For the following compounds and molecules determine the type, and the two atoms/ions that make up the structure.

Compound or Molecule	$SrBr_2$		Li_3P		H_2S	
Parts of Compound Molecule	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion
Charge of Atom or Ion						

Compound or Molecule	$Al_2(CO_3)_3$		KNO_3		HCN	
Parts of Compound Molecule	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion
Charge of Atom or Ion						

For the following reactions, write the basic form for the reaction, the reaction type, and the reactants/products

Reaction Types: A + B → AB (*Combination*) AB → A + B (*Decomposition*)
A + BC → AC + B (*Single Replace*) AB + CD → AD + CB (*Double Replace*)
HX + YOH → HOH + YX (*Acid/Base*)

Reaction	$Na + O_2 \rightarrow Na_2O$				Reaction Type	
General Form		+		→		
Reaction		+		→		

Reaction	$H_3N \rightarrow H_2 + N_2$				Reaction Type	
General Form		→		+		
Reaction		→		+		

Reaction	$Cr + Li_2SO_4 \rightarrow CrSO_4 + Li$				Reaction Type		
General Form		+		→		+	
Reaction		+		→		+	

Reaction	$V(BrO_3)_3 + CuCrO_4 \rightarrow V_2(CrO_4)_3 + Cu(BrO_3)_2$				Reaction Type		
General Form		+		→		+	
Reaction		+		→		+	

Reaction	$H_2CrO_4 + Pb(OH)_4 \rightarrow HOH + Pb(CrO_4)_2$				Reaction Type		
General Form		+		→		+	
Reaction		+		→		+	