

Name \_\_\_\_\_ Period \_\_\_\_\_

CP Chemistry of the Earth

Assignment 4C – Ionic Compounds with Polyatomic Ions

20 Points

Answer the following questions

Define Binary Compound/Molecule	Define Polyatomic Ion

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

Compound or Molecule	ZnNO <sub>3</sub>		Ag <sub>2</sub> CO <sub>3</sub>		CaSO <sub>4</sub>	
Type (Ionic/Covalent)						
Parts of Compound Molecule	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion
Part Type (Metal, Polyatomic)						

  

Compound or Molecule	Cu <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub>		V(ClO <sub>3</sub> ) <sub>3</sub>		Pb(SO <sub>4</sub> ) <sub>2</sub>	
Type (Ionic/Covalent)						
Parts of Compound Molecule	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion
Part Type (Metal, Polyatomic)						

Compound or Molecule	Li <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		MgS <sub>2</sub> O <sub>3</sub>		W(S <sub>2</sub> O <sub>3</sub> ) <sub>3</sub>	
Type (Ionic/Covalent)						
Parts of Compound Molecule	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion	First Atom/Ion	Second Atom/Ion
Part Type ( <i>Metal, Polyatomic</i> )						