Name: _____ **Class: _____**

Writing the chemical formula of compounds

Drag the correct formula next to the name of each polyatomic ion.

NO_3^-	SO_3^{2-}	SO_4^{2-}	HCO_3^-
PO_4^{3-}	NH_4^+	CO_3^{2-}	OH^-

Name	
Ammonium	
Nitrate	
Hydroxide	
Hydrogen carbonate,	
Carbonate,	
sulfate,	
sulfite,	
Phosphate	

LIVEWORKSHEETS

Match the ionic compounds on the left with their correct formulae on the right.

Calcium oxide	$Ca(OH)_2$
Aluminium chloride	ZnI
Zinc iodide	LiH
Lithium hydride	$PbCl_4$
Magnesium nitride	CaO
Calcium hydroxide	$PbCl_2$
Lead (II) chloride	$AlCl_3$
Lead (IV) chloride	Mg_3N_2

Write the name or chemical formula for each of the covalent compounds below.

CO	Sulfur dioxide	PCl_3
Phosphorous pentachloride	CCl_4	Carbon dioxide

LIVEWORKSHEETS

Compounds with polyatomic ions: write the formula of the following compounds.

1. Sodium Nitrate
2. Magnesium Nitrite
3. Iron (III) sulfate
4. Ammonium Chloride
5. Ammonium Sulfite
6. Magnesium Phosphate

State the type of bonding which occurs in the following compounds

Formula of compound	Type of bonding in the compound
C_2H_6	
Na_2O	
Mg_3N_2	
SO_2	
$CaCl_2$	
CHF_3	

LIVEWORKSHEETS