

Name: _____

Class: _____

Writing the chemical formula of compounds

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



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



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

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	