

4. Stoichiometry

Writing the chemical formula of compounds
Drag the correct answer to the box next to the given 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	

What is the formula of ammonium ion:



Inorganic compounds: Match the following chemical names with its correct formulae.

Calcium oxide

Aluminium chloride

Zinc iodide

Lithium hydride

Magnesium nitride

Calcium hydroxide

Lead (II) chloride

Lead (IV) chloride

Ca(OH)_2

ZnI

LiH

PbCl_4

CaO

PbCl_2

AlCl_3

Mg_3N_2

Compounds containing two non-metals. Write the correct name/ formula!

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

Simple molecules: write the names of the following

1. Methane
2. Water
3. Sulfuric acid
4. Ammonia
5. Nitric acid
6. Hydrochloric acid