

COMPOUND FORMULAS

Q1. Make compound formulas from the given ions.

1 mark will be awarded for each correct formula.

	Sulfate SO_4^{2-}	Nitrate NO_3^-	Carbonate CO_3^{2-}	Hydroxide OH^-	Oxide O^{2-}	Chloride Cl^-	Phosphate PO_4^{3-}
H^+							
Ca^{2+}							
Mg^{2+}							
K^+							
Cu^{2+}							
Al^{3+}							
Zn^{2+}							

(49 marks)

- Q2.** Write down the formulas of the given acids in the space provided.
1 mark will be awarded for each correct formula.

Sr. no.	Acid name	Formula
1.	Sulfuric acid	
2.	Nitric acid	
3.	Hydrochloric acid	
4.	Ethanoic acid	
5.	Phosphoric acid	

(5 marks)

- Q3.** Write down the formulas of the following alkalis.
1 mark will be awarded for each correct formula.

Sr. no.	Alkali name	Formula
1.	Sodium hydroxide	
2.	Calcium hydroxide	
3.	Lithium hydroxide	
4.	Aluminum hydroxide	
5.	Magnesium hydroxide	
6.	Potassium hydroxide	
7.	Copper hydroxide	
8.	Zinc hydroxide	

(8 marks)

Q4. Break the following compounds into their constituent ions.

1 mark will be awarded if both the ions are written correctly.

Compound	Positive ions	Negative ions
NaOH		
HNO ₃		
H ₂ SO ₄		
CuBr ₂		
Ca(OH) ₂		
KNO ₃		
MgCl ₂		
CaSO ₄		
NaCl		
ZnSO ₄		
Fe ₂ O ₃		

(11 marks)

Q5. Write the formulas of the salts formed from the given substances.

1 mark will be awarded for each correct formula.

	Sulfuric acid	Nitric acid	Hydrochloric acid
Zinc oxide			
Sodium hydroxide			
Potassium hydroxide			
Calcium hydroxide			
Copper oxide			

(15 marks)

Total marks (88)