

BASES

Formula	Electrolyte	Cation	Anion
NaOH			
NH ₃			
Ca(OH) ₂			
(CH ₃) ₂ NH			
C ₆ H ₅ NH ₂			
HONH ₂			

ACIDS

Formula	Electrolyte	Cation	Anion
HCl			
H ₂ SO ₄			
HC ₂ H ₃ O ₂			
HF			
HC ₃ H ₅ O ₃			
HNO ₃			
HClO ₂			
HNO ₂			

SALTS

Formula	Electrolyte	Cation	Anion
NaCl			
NH ₄ NO ₃			
NaC ₂ H ₃ O ₂			
NH ₄ Cl			
Na ₂ SO ₄			
NaCN			
HNO ₃			
NaF			
(NH ₄) ₂ SO ₄			

Solubility Table

<u>Ion</u>	<u>Solubility</u>	<u>Exceptions</u>
NO_3^-	soluble	none
ClO_4^-	soluble	none
Cl^-	soluble	except Ag^+ , Hg_2^{2+} , *Pb^{2+}
I^-	soluble	except Ag^+ , Hg_2^{2+} , Pb^{2+}
SO_4^{2-}	soluble	except Ca^{2+} , Ba^{2+} , Sr^{2+} , Hg^{2+} , Pb^{2+} , Ag^+
CO_3^{2-}	insoluble	except Group IA and NH_4^+
PO_4^{3-}	insoluble	except Group IA and NH_4^+
-OH	insoluble	except Group IA, *Ca^{2+} , Ba^{2+} , Sr^{2+}
S^{2-}	insoluble	except Group IA, IIA and NH_4^+
Na^+	soluble	none
NH_4^+	soluble	none
K^+	soluble	none

*slightly soluble