

REPRESENTING IONS AND FORMULA UNITS WORKSHEET

Complete the table with the appropriate information.

Cation	Anion	Formula Unit	Name of the Compound
Ca^{2+}	Br^-		
Fe^{2+}	Cl^-		
K^+	SO_4^{2-}		
Al^{3+}	NO_3^-		
Pb^{2+}	S^{2-}		
NH_4^+	OH^-		
K^+	HCO_3^-		
Mg^{2+}	NO_2^-		
Zn^{2+}	CO_3^{2-}		
Na^+	PO_4^{3-}		
Ag^+	CrO_4^{2-}		
Li^+	ClO_3^-		
Cu^{2+}	NO_3^-		
Fe^{3+}	S^{2-}		
Ca^{2+}	SO_4^{2-}		

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Answers

Cation	Anion	Formula Unit	Name of the Compound
Ca^{2+}	Br^-	CaBr_2	Calcium Bromide
Fe^{2+}	Cl^-	FeCl_2	Iron (II) Chloride or Ferrous Chloride
K^+	SO_4^{2-}	K_2SO_4	Potassium Sulfate
Al^{3+}	NO_3^-	$\text{Al}(\text{NO}_3)_3$	Aluminum Nitrate
Pb^{2+}	S^{2-}	PbS	Lead (II) Sulfide
NH_4^+	OH^-	NH_4OH	Ammonium Hydroxide
K^+	HCO_3^-	KHCO_3	Potassium Bicarbonate or Potassium Hydrogen Carbonate
Mg^{2+}	NO_2^-	$\text{Mg}(\text{NO}_2)_2$	Magnesium Nitrite
Zn^{2+}	CO_3^{2-}	ZnCO_3	Zinc Carbonate
Na^+	PO_4^{3-}	Na_3PO_4	Sodium Phosphate
Ag^+	CrO_4^{2-}	Ag_2CrO_4	Silver Chromate
Li^+	ClO_3^-	LiClO_3	Lithium Chlorate
Cu^{2+}	NO_3^-	$\text{Cu}(\text{NO}_3)_2$	Copper (II) Nitrate
Fe^{3+}	S^{2-}	Fe_2S_3	Iron (III) Sulfide
Ca^{2+}	SO_4^{2-}	CaSO_4	Calcium Sulfate