

FORMING AND NAMING BINARY IONIC COMPOUNDS PRACTICE WORKSHEET

Write the correct formula for each compound named and its constituent ions.

Name of the Compound	Formulas	Positive Ion	Negative Ion
Aluminum Fluoride	AlF_3	Al^{3+}	F^-
Sodium Chloride			
Magnesium Fluoride			
Lithium Bromide			
Aluminum Iodide			
Potassium Oxide			
Calcium Sulfide			
Beryllium Iodide			
Barium Bromide			
Calcium Phosphide			
Aluminum Sulfide			
Lithium Oxide			
Lithium Selenide			
Magnesium Telluride			

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Write the correct formula for each compound named and its constituent ions.

Answers

Name of the Compound	Formulas	Positive Ion	Negative Ion
Aluminum Fluoride	AlF_3	Al^{3+}	F^-
Sodium Chloride	NaCl	Na^+	Cl^-
Magnesium Fluoride	MgF_2	Mg^{2+}	F^-
Lithium Bromide	LiBr	Li^+	Br^-
Aluminum Iodide	AlI_3	Al^{3+}	I^-
Potassium Oxide	K_2O	K^+	O^{2-}
Calcium Sulfide	CaS	Ca^{2+}	S^{2-}
Beryllium Iodide	BeI_2	Be^{2+}	I^-
Barium Bromide	BaBr_2	Ba^{2+}	Br^-
Calcium Phosphide	Ca_3P_2	Ca^{2+}	P^{3-}
Aluminum Sulfide	Al_2S_3	Al^{3+}	S^{2-}
Lithium Oxide	Li_2O	Li^+	O^{2-}
Lithium Selenide	Li_2Se	Li^+	Se^{2-}
Magnesium Telluride	MgTe	Mg^{2+}	Te^{2-}