

Formulas for Ionic Compounds Worksheet

Write the chemical formula for the ionic compounds made from the following elements.

Elements	Metal Ion	Non-metal Ion	Chemical Formula	Name of the Compound
Aluminum and Nitrogen				
Barium and Chlorine				
Beryllium and Sulfur				
Calcium and Chlorine				
Lithium and Sulfur				
Magnesium and Oxygen				
Sodium and Oxygen				
Potassium and Iodine				
Sodium and Sulfur				

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Answers

Elements	Metal Ion	Non-metal Ion	Chemical Formula	Name of the Compound
Aluminum and Nitrogen	Al^{3+}	N^{3-}	AlN	Aluminum Nitride
Barium and Chlorine	Ba^{2+}	Cl^{-}	BaCl_2	Barium Chloride
Beryllium and Sulfur	Be^{2+}	S^{2-}	BeS	Beryllium Sulfide
Calcium and Chlorine	Ca^{2+}	Cl^{-}	CaCl_2	Calcium Chloride
Lithium and Sulfur	Li^{+}	S^{2-}	Li_2S	Lithium Sulfide
Magnesium and Oxygen	Mg^{2+}	O^{2-}	MgO	Magnesium Oxide
Sodium and Oxygen	Na^{+}	O^{2-}	Na_2O	Sodium Oxide
Potassium and Iodine	K^{+}	I^{-}	KI	Potassium Iodide
Sodium and Sulfur	Na^{+}	S^{2-}	Na_2S	Sodium Sulfide