

NAMING IONIC AND COVALENT COMPOUNDS WORKSHEET

Write formulas for the following compounds and classify them as ionic (I) or covalent (C).

Name of the Compound	Formulas	Ionic or Covalent?
Lithium Chloride		
Ammonium Permanganate		
Carbon Disulfide		
Silver Nitrate		
Tin(IV) Fluoride		
Iron(III) Phosphate		
Beryllium Nitrite		
Sulfur Trioxide		
Carbon Tetrafluoride		
Barium Dichromate		
Aluminum Acetate		
Silicon Dioxide		
Ammonia		
Magnesium Phosphide		
Copper(I) Iodide		

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Write formulas for the following compounds and classify them as ionic (I) or covalent (C).

Answers

Name of the Compound	Formulas	Ionic or Covalent?
Lithium Chloride	LiCl	I
Ammonium Permanganate	NH_4MnO_4	I
Carbon Disulfide	CS_2	C
Silver Nitrate	AgNO_3	I
Tin(IV) Fluoride	SnF_4	I
Iron(III) Phosphate	FePO_4	I
Beryllium Nitrite	$\text{Be}(\text{NO}_2)_2$	I
Sulfur Trioxide	SO_3	C
Carbon Tetrafluoride	CCl_4	C
Barium Dichromate	$\text{Ba}_2\text{Cr}_2\text{O}_7$	I
Aluminum Acetate	$\text{Al}(\text{C}_2\text{H}_3\text{O}_2)_3$	I
Silicon Dioxide	SiO_2	C
Ammonia	NH_3	C
Magnesium Phosphide	Mg_3P_2	I
Copper(I) Iodide	CuI	I