

PROPERTIES SORT

DIRECTIONS: Sort the following properties of molecular (covalent), ionic, and metallic compounds:

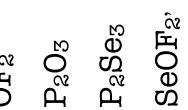
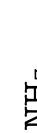
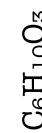
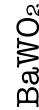
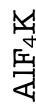
PHRASES TO SORT:	IONIC COMPOUNDS	MOLECULAR COMPOUNDS (COVALENT)	METALLIC COMPOUNDS
Form crystals with repeating patterns Good conductor of electricity High luster Higher melting and boiling points Lower melting and boiling points Malleable and ductile Poor conductor of electricity Sea of electrons	<ul style="list-style-type: none">• Form crystals with repeating patterns• Good conductor of electricity• Higher melting and boiling points• Lower melting and boiling points• Malleable and ductile• Poor conductor of electricity• Sea of electrons	<ul style="list-style-type: none">• Poor conductor of electricity• Lower melting and boiling points	<ul style="list-style-type: none">• High luster• Malleable and ductile• Good conductor of electricity• Sea of electrons

Name: _____ Date: _____ Per: _____

IONIC & COVALENT SORTING

Objective: To classify substances using their chemical formula and properties

FORMULAS TO SORT:



COVALENT (MOLECULAR)			
	IONIC		
AgF_2			
BaWO_4	Formula	Metal Elements	Nonmetal Elements
BrCl		Na	Cl
$\text{C}_6\text{H}_{10}\text{O}_3$			$\text{C}_6\text{H}_{10}\text{O}_3$
CaCl_2		Fe	O
CH_2O			CH_2O
CH_3COOH			CH_3COOH
CH_4		Ag	F
FeO_3		Ba, W	O
HgSe		Mn	C, O
LaPO_4		Hg	Se
LiF		Li	F
MnCO_3		La	P, O
NaCl		Al, K	F
NaHCO_3		Ni	S
NH_3		NaHCO_3	Na
NiS_2		CaCl_2	Ca
O_2			
OF_2			
P_2O_5			
P_2Se_3			
SeOF_2			