Name		HON	ORS CHEMISTRY		
	ounds Practice le Choice – Choos		ch of the following. (2 poin	nts each)	
following? I. Mg ²⁺ II. O ²⁻ i	The melting point of is more positively s more negatively to O^2 ion is smaller	charged than Na ⁺	of NaF. Explanations for th	nis observation include which of the	
(A) II only	(B) I and II only	(C) I and III only	(D) II and III only	(E) I, II, and III	
2 Which ionic compound has the highest melting point?					
(A) KCl		(C) CaCl ₂	(D) CaO	(E) CaBr ₂	
(ri) iter	(B) 11 ₂ 0	(C) CuCl ₂	(B) Cuo	(E) CuB12	
3Which of the following substances can conduct electricity at room temperature?					
I. Mg	II. CuC				
(A) II only	(B) I and II only	(C) I and III only	(D) II and III only	(E) I, II, and III	
4 What is the oxidation number of phosphorus in copper(II) phosphite?					
(A) +2	(B) +3	(C) -3	(D) +4	(E) +5	
(11) 12	(D) 13	(C) 3	(D) 14	(L) 13	
I. They	y are most crystalli	wing is true about ionic cone solids at room tempera ctricity when dissolved in a glectrons.	ture.		
(A) Lonly	(D) I and II only	(C) I and III only	(D) II and III only	(E) I II and III	
(A) I only	(B) I and II only	(C) I and III only	(b) If and III only	(E) I, II, and III	
I. Step II. Step	1: Sublimation of some 2: Ionization of lit	I from its elements there a solid lithium. Li(s) \rightarrow Li(thium atom. Li(g) \rightarrow Li ⁺ (fluoride ions. F(g) + e ⁻ \rightarrow	g) g) + e ⁻	following steps is NOT endothermic?	
(A) II only	(B) II only	(C) I and II only	(D) II and III only	(E) III only	
7 Which of the following would likely have the highest melting point?					
(A) LiCl	(B) LiF	(C) NaCl	(D) NaF	(E) KF	
8What is the oxidation number of sulfur in aluminum sulfate?					
(A) +3	(B) -2	(C) +2	(D) +4	(E) +6	

(D) +4

(E) + 7

(E) + 8

(B) + 2

(A) + 2

10. __ (A) +3

(C) +6

What is the oxidation number of manganese in MnO_2 ? (B) +3 (C) +4 (D) +6

What is the oxidation number of ruthenium in RuO₃?

Part II: Name each of the following. (2	2 points each)	
1	(NH ₄) ₂ CO ₃ 2.	Tl_2S_3
3	Mn(SO ₃) ₃ 4	CaI ₂
5	Mg(NO ₂) ₂ 6.	In_2Se_3
7	$Hg_2(MnO_4)_2$ 8.	KClO ₂
9	SrF ₂ 10.	WSiO ₃
11	IrCrO ₄ 12	$La(C_2H_3O_2)$
13	FeN 14	GaP
15	Ru(ClO ₄) ₄ 16.	VO_2
17	Sn ₃ (PO ₃) ₂ 18.	PbCl ₂
19	Cd(ClO ₃) ₂ 20.	RhSO ₄
Part III: Write the formulas for each	of the following. (2 points each). Please put a	box around your answer.
1. radium dichromate	2. francium iodide	3. barium oxide
4. calcium perchlorate	5. rubidium sulfite	6. ammonium hydroxide
7. iron(III) nitride	8. platinum(IV) nitrite	9. nickel(II) chloride
10. plumbous bromide	11. nickelous permanganate	12. strontium chlorite
13. niobium(III) sulfate	14. auric chlorate	15. potassium nitrite
16. aluminum acetate	17. cobalt(II) nitrate	18. ruthenium(VI) silicate

20. stannic hypochlorite

19. mercurous phosphate