Seme	ster 1 Final Review Quiz: Units 3 and 4	Name:	Period:	
1.	What is the correct charge for the aluminum io	on?		
	a. Al ⁻³	c. Al ⁺³		
	b. Al	d. Al ⁺²		
2.	Which of the following is NOT an ionic compou	nd?		
	a. Na₂O	c. NH ₄ Cl		
	b. PbS ₄	d. CO		
3.	Which of the following is NOT a property of a c			
	a. low boiling point	c. formed by shared pairs	of electrons	
	b. high melting point	d. usually a liquid or gas a		
4.	What is the correct name for CuS?		·	
	a. copper sulfide	c. copper monosulfic	le	
	b. copper (I) sulfide	d. copper (II) sulfide		
5.	What is the total charge on the cation in the io	,, , ,		
	a. O	c. 2+		
	b. 1+	d. 3+		
6. How many valence electrons are transferred from a single potassium atom when it forms an ionic compo				
•	a. O	c. 2	pound	
	b. 1	d. 3		
7.	Which of the following represent a correct form			
, ,	a. CIK	c. AgF ₂		
	b. K ₃ SO ₄	d. FePO ₄		
0				
0.	The predicted molecular shape for PCl ₃ is	 c. bent		
	a. trigonal pyramidalb. trigonal planar	d. linear		
0				
9.	How many unshared pairs are on the chlorine a a. 0	c. 2		
	b. 1	d. 3		
10.	The number of valence electrons in the polyator			
	a. 2	c. 32		
	b. 34	d. 36		
11.	Which of the following would contain a double	bond?		
	a. SF ₂	c. N ₂		
	b. H ₂ O	d. CO ₂		
12. W	hich of the following has the highest boiling poin	t?		
	a. NH₃	c. H₂O		
	b. CH ₄	d. CaCl₂		
13. W	hich of the following is a polar molecule?			
	a. CCl ₄	c. H ₂ O		
	b. SrCl ₂	d. CO ₂		
14. H	low many resonance forms are possible for the N	lO₃⁻ ion?		
	a. 1	c. 3		
	b. 2	d. 4		
15. W	hich of the following contains no lone pairs on th	e central atom?		
	a. SO ₂	c. BrF ₃		
	b. NH₃	d. HCN		