Completion Complete each sentence or statement.							
	12. An electron that occupies the outermost energy level of an atom is known as a(n)						
		electron.		,,	20 2()		
13.	3. An atom or group of atoms that has an electrical charge because it has either lost or gained						
4.4	one or more electrons is a(n)						
	An ion that has a negative charge is a(n) <u>Canion</u> . The ion formed by an atom of a metal is a(n) <u>Cation</u> .						
	The ion formed by an atom of a nonmetal element is a(n) Gn. on						
	A compound resulting from the formation of an ionic bond between a cation and an anion is a(n)						
18.	18. A repetitive geometric arrangement of ions, atoms, or molecules that forms a crystal structure						
	is called the $\frac{Crystal}{16}$ $\frac{1}{16}$						
19.	The name of the	ion O^2 is the O^2	xide	ion.			
20.	20. The name of the ion Cu^+ is the $\underline{Copprox(I)}$ ion. 21. The chemical formula for the compound strontium sulfide, which contains Sr^{2+} and S^{2-} ions, is						
21. The chemical formula for the compound strontium surface, which contains 50° and 5° lons, is							
Word Bank:							
	Valence	Crystal lattice	Cation	Anion	Copper(I)		
lon Salt Oxide Anion SrS							
Write the formula for the following ionic compounds: Write the names for the following ionic compounds:							
1. So	dium chloride:	Nac!	· · · · · · · · · · · · · · · · · · ·	1. NaNO ₃	Sodium Nitrate		
2. Ca	Calcium oxide:				· · · · · · · · · · · · · · · · · · ·		
3. Iro	3. Iron (II) fluoride: Fe F ₂			0.110	1.66		
4. Copper (I) oxide: Luz O			2. Li₂O	lithium oxide	i.		
5. Aluminum sulfate: $A/2(504)_3$			3. CuCO ₃	Copper (11) carbonet	e		
6. Silver chloride: AgCI			4. Fe ₂ O ₃	Iron (111) oxide			
7. Potassium carbonate: K2C03			5. Ca ₃ (PO ₄) ₂	colcium phosphate			
8. Tin (IV) fluoride: Sn Fy			6. SnO	tin (11) oxide			
9. Chromium (III) oxide: Cr203				7. MgCO ₃	magnesium carbonate		
10. Sodium sulfide: Naz S			3. W 3 . DOM: 10.00	<u> </u>	-		
		10.00 at 1.00		8. MnCO ₃	Manganese (11) Larbona	te	
				9. Ag₂O	silver oxide		
				10. TiCl ₃	titanium (111) chlorid	-	