Name:	Class:		Date:	ID: A
Ionic Bo	onding, Compounds, and Naming			
Multiple (Identify th	Choice the choice that best completes the statement or a	inswer	s the question.	
1.	Which compound is formed from a tight netwa. sugar, $C_{12}H_{22}O_{11}$ b. quartz, SiO_2	vork of c. d.	oppositely charged ions? water, H ₂ O salt, NaCl	
2.	***	electror s.		
3.			e rubber cement. flexible springs,	
4.	 An ionic bond is a bond that forms between a. ions with opposite charges. b. atoms with neutral charges. c. one atom's nucleus and another atom's ed. the electrons of two different atoms. 	lectron	ıs,	
5.	Fe ₂ O ₃ is named <i>iron (III) oxide</i> because it con a. three oxygen atoms. b. Fe ³⁺ ions.	ntains c. d.	three iron atoms. O³+ ions.	
6.				
7.	The name for the compound with the formula a. chromium(I) oxide. b. chromium(II) oxide.	Cr ₂ O ₃ c. d.	would be written as chromium oxygen. chromium(III) oxide.	
8.	a. lose energy.b. become more stable.	c. d.	give away neutrons. give away protons.	
9.	form a(n) bond by their electron a. covalent, transferring b. covalent, sharing		ionic, transferring ionic, sharing	will
10.			, 5	
11.	 An ionic compound made of copper (Cu²⁺) an a. copper oxygen. b. copper oxide. 	d oxyg c. d.		

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	12.	12. Because the overall charge in a compound must be, the charge of	of iron in Fe ₂ O ₃ can be calculated as 3+		
		a. 2+ c. 1+			
		b. 0 d. 1-			
	13.	13. In the compound TiO ₂ , titanium has a charge of			
		a. 3+. c. 4+.			
		b. 4 d. 2+.			
	14.	14. The chemical formula for an ionic compound of aluminum and chloring	e is		
		a. AlCl. c. AlCl ₃ .			
		b. ClAl. d. Al ₃ Cl.			
	15.	15. The chemical formula for an ionic compound of potassium and oxygen	is		
		a. KO. c. K_2O_2 .			
		b. K_2O . d. KO_2 .			
antina a sa a	16.	 Solid ionic compounds have very high melting points because they a. are positively charged. b. contain metallic elements. c. are made of elements that are solid at room temperature. 			
	1.77	d. contain charged ions that are locked tightly together.			
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		a. copper(II) bromide.b. copper(I) bromide.c. copper bromide.d. copper(III) bromide.	do		
	10				
	18.	 When copper combines with oxygen to form copper(II) oxide, the charges a. Cu¹⁺. c. Cu³⁺. 	ge of the copper ion is		
		b. Cu ²⁺ . d. Cu ⁴⁺ .			
		o. oa .			
Comp		etion te each statement.			
Comp	neie e	ie each statement.			
	19.	19. The charge of each iron ion in the ionic compound FeS is	·		
	20.	The chemical formula for the ionic compound consisting of nitride ions and titanium(III) ions is			
	21.	Formula units of salt, NaCl, contain equal numbers of and			
	22.	22. In ionic compounds, the positively charged ions are formed from	elements.		
	23.	23. A compound consisting of Br ⁻ and Cd ²⁺ ions would be named			