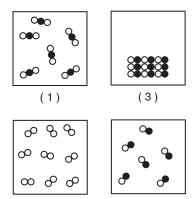
NI	ama.			Doto		⊞I IRBAN	
IN &	Chamietan Me Hant	Class		Date	Cations	SCHOOL FOR CRIMINAL	
	Chemistry ~ Ms. Hart	<u>Class:</u>	Anions	or	Cations	JUSTICE -	
	<u>8.1 Introdu</u>	ction to So	<u>lutions</u>				
1.	In the formula for water, H ₂ O, t a. Hydrogens and oxygens b. Waters		ens only	e nun	nber of		
2.	The number of atoms in Cu_3PO a. 8 b. 4 c. 5	•	19.				
3.	A compound consists of a. one element b. two or more substances.	one element b. two or more elements <i>NOT</i> chemically combined d. two or more elements chemically combined					
4.	A bottle of green food coloring, which was left standing on a shelf for a long time, separated into distinct blue and yellow layers. The food coloring was most likely (1) an element (2) a compound (3) a mixture (4) changing phase						
5.	Which of the following is a mixture? (1) salt (2) silver (3) soup (4) sugar						
6.	A solution of AgNO ₃ is consider (1) heterogeneous mixture (3) heterogeneous compound						
7.	Identify the solute and the solve		~ 1 -				
	Solution CuSO ₄ (aq)		Solute		So	olvent	
	Cu504 (uq)						
	NaCl is dissolved in methanol						
	Solution of green food coloring in water						
8.		matter that co iixture olution	ould be heter	rogen	eous?		
9.	Bronze contains 90 to 95 perces vary, bronze is classified as		d 5 to 10 per	cent t	in. Because t	hese percentages can	
	±	b. A mixture d. An elemen	t				
10	Which sample of CO2 has a def (1) CO2(aq) (2) CO2(g) (3) CO2() (4) CO2(s)	inite shape a	nd a definite	volu	me?		

11.

Given the key:

Key
o = Atom of oxygen
● = Atom of carbon

Which particle diagram represents a sample containing the compound CO(g)?



- 12. Matter that is composed of two or more different elements chemically combined in a fixed proportion is classified as:
 - (1) A compound
 - (2) A mixture

(2)

- (3) An isotope
- (4) A solution
- 13. Which of the following is NOT a property of an element?
 - (1) It is found on the Periodic table.
 - (2) It is a pure substance.
 - (3) It can be broken apart chemically.
 - (4) It cannot be broken apart physically.
- 14. Which formula represents a compound?
 - (1) Ca
 - (2) Cr
 - (3) CO
 - (4) Co
- 15. Identify each of the following items as an element (A) or compound (B).
 - (1) Titanium
 - (2) Steel
 - (3) Ice
 - (4) Gold
- 16. Which two particles represent mixtures of diatomic elements?

O = atom of one element

