Name:					
1)	A binary compound of sodium is 1) sodium chloride	8)	What is the percent by mass of oxygen in Ca(OH) ₂ ?		
	2) sodium perchlorate3) sodium chlorate		1) 43	3)	16
	4) sodium chlorite		2) 74	4)	22
2)	How many oxygen atoms are represented by	9)	An example of an empirical formula is		
2)	the formula Al ₂ (CO ₃) ₃ ?		1) C ₂ H ₂		C ₂ Cl ₂
	1) 10 3) 3		2) H ₂ O ₂	4)	CaCl ₂
2)	2) 9 4) 6	10)	What is the gram molecular Ca ₃ (PO ₄) ₂ ?	mass o	of
3)	Vitamin C has an empirical formula of C ₃ H ₄ O ₃ and a molecular mass of 176.		1) 310. g	3)	246 g
	What is the molecular formula of vitamin C?	11)	2) 279 g	4)	342 g
	1) C9H ₁₂ O9		What is the percent by mass of nitrogen in NH4NO3 (formula mass = 80)?		
	2) C ₆ H ₈ O ₆		1) 35%	3)	23%
	3) $C_{10}H_8O_3$		2) 18%	4)	32%
	4) C ₃ H ₄ O ₃		What is the percent by mass	s of alu	ıminum in
4)	Which formula correctly represents the		Al ₂ O ₃ ?		
	compound calcium hydroxide?	13)	1) 47.1	3)	18.9
	1) Ca ₂ OH		2) 35.4	4)	52.9
	2) Ca(OH) ₂		Which gas sample contains a total of		
	3) CaOH		3.0×10^{23} molecules?		
	4) CaOH ₂		1) 14 g of N ₂		
5)	Which formula is correctly paired with its		2) 2.0 g of H ₂		
	name?	14)	3) 38 g of F ₂		
	1) CuCl ₂ — copper (II) chloride		4) 71 g of Cl ₂		
	2) K ₂ O — phosphorus dioxide		What is the formula for lead (II) oxide?		
	3) FeO — iron (III) oxide		1) Pb2O		Pb ₂ O ₃
	4) MgCl ₂ — magnesium chlorine		2) PbO		PbO ₂
6)	What is the empirical formula of a compound	15	,	•	_
	with the molecular formula C ₆ H ₁₂ O ₆ ? 1) C ₂ H ₄ O ₂	15)	What is the correct chemical formula for iron (III) oxide?		
	2) C ₃ H ₆ O ₂		1) Fe ₃ O	3)	Fe ₂ O ₃
	3) CH ₂ O		2) FeO ₃	4)	Fe ₃ O ₂
	4) C4H8O4	16)	Which molecular formula is		• •
7)	What is the gram molecular mass of calcium		with its corresponding empir	rical fo	rmula'?
/)	nitrate, Ca(NO ₃) ₂ ?		1) CO ₂ and CO		
	1) 102 g 3) 164 g		2) C ₂ H ₂ and CH ₂		
	2) 70.0 g 4) 150. g		3) C_6H_6 and C_2H_2		
			4) P ₄ O ₁₀ and P ₂ O ₅		
		•			

17)	The correct formula for the thiosulfate ion is	24)	What is the total number of atoms		
	1) SCN-		represented in the formul	a CuSO ₄ • 5H ₂ O?	
	2) SO ₄ 2-		1) 13	3) 8	
	3) S ₂ O ₃ ² -		2) 21	4) 27	
	4) SO ₃ 2-	25)	The total number of calci	um atoms in	
18)	What is the mass, in grams, of 1.0 mole of		80.0 grams of calcium is		
	(NH ₄) ₂ S?		1) 3.01 × 1023		
	1) 54 g 3) 68 g		2) 12.0×10^{23}		
	2) 64 g 4) 50 g		3) 6.02 × 1023		
19)	A compound consists of 85% silver and	26)	4) 24.0×10^{23}		
	15% fluorine by mass. What is its empirical		What is the empirical formula of a compound whose composition by mass is 40.% sulfur		
	formula?		and 60.% oxygen?	iass is 40.% suitur	
	1) AgF 3) Ag ₂ F		1) S ₂ O ₃	3) S ₂ O ₇	
	2) Ag6F 4) AgF2		2) SO ₃	4) SO ₂	
20)	Which of the following is the formula of a	27)	What is the correct form	, -	
	binary compound?	27)	oxide?	and for sociality	
	 Bi(NO₃)₃ Al₂S₃ 		1) SO ₂	3) Na ₂ O	
	3) NaClO ₃		2) S ₂ O	4) NaO ₂	
	4) KOH	28)	What is the molecular for	mula of a	
21)	A compound contains 0.5 mole of sodium,	,	compound with an empirical formula of CH		
21)	0.5 mole of nitrogen, and 1.0 mole of		and a molecular mass of	78?	
	hydrogen. The empirical formula of the		1) CH	3) C_4H_{10}	
	compound is		2) C ₂ H ₂	4) C_6H_6	
	1) Na ₂ NH	29)	What is the correct chemical formula for		
	2) NaNH		sodium sulfate?		
	3) NaNH₂4) Na(NH)₂		1) NaSO4		
22)	, , , , , _		2) Na ₂ SO ₄		
22)	What is the formula for titanium (III) oxide?		3) NaSO3		
	1) TiO 3) Ti ₃ O ₂		4) Na ₂ SO ₃		
	2) Ti ₂ O ₃ 4) Ti ₂ O ₄	30)	How many molecules are in 0.25 mole of CO?		
23)	What is the formula for ammonium carbonate?		1) 9.0 × 10 ²³		
	1) NH4CO3		2) 3.0 × 1023		
	2) (NH ₄) ₂ (CO ₃) ₂		3) 6.0×10^{23}		
	3) (NH ₄) ₂ CO ₃		4) 1.5 × 10 ²³		
	4) NH ₄ (CO ₃) ₂		4) 1.3 ^ 1023		
	/ T(== 3/4				