

Package #1 CHEMISTRY 11 REVIEW



1.	i ne formula (NH ₄)	2 ^{CrO} 4 represents						
	A. 14 atoms.	B. 15 atom	ıs.	C. 18 atoms.	D. 19 atoms.			
2.	The formula Al ₂ (SC	0 ₄) ₃ represents						
	A. 10 atoms.	B. 17 atom	ıs.	C. 19 atoms.	D. 34 atoms.			
3. The number of significant digits in the number 4.50030×10^{-3} is								
	A. 1	B. 3	C5	D. 6	E. 7			
4.	Which of the follow	ing values has 3 s	significant di	gits.				
	A. 100.0	B. 0.032		C. 6.00	D. 0.09			
5.	The number 0.002 h	as how many sign	nificant digit	s?				
	(A.) 1	B. 2		C. 3	D. 4			
6.	The number 3.0 has	how many signif	icant digits?					
	A. 1	B. 2		C. 3	D. 4			
7. The number 7005.0 has how many significant digits?								
	A. 2	B. 3		C. 4	D. 5			
8.	The number that has	3 significant digi	its is	8				
(A. 303	B. 0.98		C. 5050.0	D. 6.030			
9.	What is the mass of	1 atom of calcium	n in grams?	(2 marks) × 40.1 g Co	$a = 6.6 \times 10^{-23} \text{g or}$ 7×10^{-13}	2		
10.	How many moles of	silicon are in 30.	.5 g of silico	n?	17 X10 0			
	30.5gx-	1 molsi = 28,1g	1.09	noles Si				
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(11.)							
	2.55 mol Cux 63.6g = 162 g Cu						
(12)	11 67 67						
	1 mole of Zinc, (Zn)? 0.5 mol $2n \times -b.00 \times 10^{23}$ atoms = 3.01×10^{23} atoms						
13.	Write the formula for the compound boron trifluoride in the space provided.						
	BF3						
14.	Write the formula for the compound boron trichloride in the space provided.						
	BC13						
15.	Write the formula for the compound bromine dioxide in the space provided.						
	Br Ox						
16.	Write the formula for the compound diantimony decaoxide in the space provided.						
	Soco						
17.	Write the chemical name for BF ₃ in the space provided.						
	Boron trifluoriale						
18.	Write the chemical name for B ₅ H ₉ in the space provided.						
	pentaboran nonahydride.						
19.	Write the chemical name for SbF ₅ in the space provided.						
	artimony pentafluonale or Antimony (V) fluoride						
20.	Write the chemical name for P ₂ S ₅ in the space provided.						
	diphosphorais penta sulficle						
21.	1 1						
	Write the name for $V_2(CO_3)_5$ in the space provided. Vandium CC bonate						
	,						
24.	Write the name for Bi(NO ₃) ₅ in the space provided. Bismuth initrate						
	Bismuththitrate						

23.	Use the lab dat questions.	a below, along with the balance	ced chemical equation, to	o answer the following					
)	questions.	$Al_2(CO_3)_{3(s)} + 6 HI_{(aq)} -$	$> 2 \text{ AlI}_{3(aq)} + 3 \text{ CO}_{2(aq)}$	$(g) + 3 H_2O_{(1)}$					
			$\begin{array}{cccccccccccccccccccccccccccccccccccc$.41 g 2.12 g A 1/2 g x 1 mel .29 g .33 g = 7.39 g A1	X I ₂				
j		of $Al_2(CO_3)_3$ was used? 2.1 of All_3 was produced? 7.0		a de la companya de	2				
	c) Theoretically, what should have been the mass of AlI ₃ produced? (3) 7.39 9 AII ₃								
	d) Using the theoretical and actual values of All ₃ produced, calculate the percentage error in this								
	experiment	. (2) actual x 100	7.39.9 x 10	0%= 95.3%					
24.	Given the follo	wing balanced equation:	134.4 g CDx.	1 mol CO 2 mol 35gCO Invl	123				
	* 3	$Fe_2O_3 + CO \longrightarrow 2 Fe_3$	$O_4 + CO_2$	= 2.22 × 103 a	In				
1					Fe 3				
12	If 134.4 grams of CO is combined with an excess of Fe ₂ O ₃ , what mass of Fe ₃ O ₄ will be								
	formed?	12 × 13 9 Fe 304							
25.	5. A student measures out 7.2 mL of water in a 10 mL graduated cylinder and 641 mL in a 1000 mL graduated cylinder. If the two volumes are combined in a beaker the total should be recorded as								
1	A 648 mL.	B. 648.2 mL.	C. 650 mL.	D. 6.5 x 102.					
26.	6. Two different balances are used in determining the masses of two different objects as 624.1 g and 4.24 g. The total of these two masses be recorded as								
1	A. 628 g.	B. 628.3 g.	C. 628.34 g.	D. 630 g.					
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