			٨	logadi	\sim 0				
1	Avogadro Q Which sample has the greatest mass?								
1	A 1.0 mol of N_2H_4	-	$\frac{11235}{2.0 \text{ mol of } N_2}$	С	3.0 mol of N	JH.	D 25.0 mol of H_2		
	A 1.0 mor of 102114	D 2	2.0 1101 01 1 <u>12</u>	C	5.0 1101 01 1	113	D 25.0 mor of 112		
2	The number of moles				•				
	A 28	В	9000	С	1×10^{25}	D	$3x10^{26}$		
3	The mass (in grams) of one molecule of water is								
U	1100000000000000000000000000000000000	В	1.8x10 ⁻²²	С	3.0	D	18.0		
		D	110/110	C	210	Ð	1010		
4	How many molecules	s are the		$H_2O?$					
	A $6.0 \ge 10^{22}$	В	$6.0 \ge 10^{23}$	C	6.0 x 10 ²⁴	D	$6.0 \ge 10^{25}$		
5	How many atoms are present in 0.10 mol of propyne, C ₃ H ₄ ?								
5	A 4.2×10^{22}	B	$6.0 \ge 10^{22}$	C		D	$6.0 \ge 10^{23}$		
	П 7.2 А 10	D	0.0 X 10	C	T.2 A 10	D	0.0 X 10		
6	How many moles of	CH4 are	needed to obta	in 6.0 x	x 10 ²³ hydroger	atoms?	2		
	$A \frac{1}{4}$	В	1	С	2	D	4		
7	What is the mass in g	roma of	ono mologulo	ofnron	anal C.U.OU)			
/	(Avogadro's constant			or prop	allol, C3117011				
	A 60	B	$1.0 \ge 10^{-22}$	С	3.6 x 10 ²⁵	D	1.0 x 10 ⁻²³		
					22				
8	What amount of oxyg	-							
	A 0.0030	B	0.030	С	0.30	D	3.0		
9	One atom of an elemer	nt has a	mass of 1.06 x	10 ⁻²² gr	ams. The atom	ic symb	ool of this element is		
-	<mark>A Cu</mark>	В	С	С	Cl	D	Cr		
		_	-	-		_			
10	Which of the following	-	-	?					
	A 6×10^{25} atoms of	f helium	<mark>i gas</mark>	B	10 moles of				
	C 1.2 x 10^{24} atoms	of copp	er	D	1 mole of go	old atom	1S		
11	Which one of the following samples contains the smallest number of molecules?								
	A 1 g of carbon dio	-	-	B	1 g of gluco				
	C 1 g of naphthaler			D	1 g of octan				

12One mole of H2O molecules containsA 6.02×10^{23} atomsB 6.02×10^{23}								
$A = 6.02 \times 10^{23}$ atoms $P = 6.02 \times 10^{23}$								
	10^{23} hydrogen atoms 0^{24} atoms							
C 3.01×10^{23} oxygen atoms D 1.8×1	<u>U⁻ atoms</u>							
13 The sample which contains $2.0 \ge 10^{23}$ atoms is								
A 9.0 g O_2 B 13.0 g K C	15.0 g P ₄ D 12.0 g Mg							
14 In 0.250 moles of ethane-1,2-diol (antifreeze), HOCH ₂ CH ₂ OH, there are								
A 1.51×10^{23} atoms B	1.51×10^{24} molecules							
$\frac{C}{D} = \frac{1.51 \times 10^{24} \text{ atoms}}{D}$	6.02×10^{24} atoms							
15 WI:1 64 611 : 44 4 1 4 602 ()	40							
15 Which one of the following statements about CO2 is (are) corr	Which one of the following statements about CO2 is (are) correct?							
I One mole of CO_2 has a mass of 44.0 grams II One	mole of CO_2 contains 6.0 x 10^{23} atoms							

<mark>A I only</mark>

B II only

C Both I and II

D Neither I nor II