	Avogadro Q							
1	, ,							
1	A 1.0 mol of N_2	-	2.0 mol of N_2	С	3.0 mol of N	NH3	D 25.0 mol of H_2	
2	The number of r A 28	noles in 500 B	g of water is ap 9000	proxin C	nately: 1x10 ²⁵	D	3x10 ²⁶	
3	The mass (in gra	ams) of one r	nolecule of wat	ter is				
	A 3.0x10 ⁻²³	В	1.8x10 ⁻²²	C	3.0	D	18.0	
4	How many mole	How many molecules are there in 180 g of H ₂ O?						
	A 6.0×10^{22}		$6.0 \ge 10^{23}$		6.0 x 10 ²⁴	D	6.0 x 10 ²⁵	
5	How many atom	ns are present	tin 0.10 mol of	nronvr	$C_{2}H_{4}?$			
5	A 4.2 x 1		$6.0 \ge 10^{22}$			D	$6.0 \ge 10^{23}$	
6	How many mole							
	A 1/4	В	1	С	2	D	4	
7		What is the mass in grams of one molecule of propanol, C_3H_7OH ? (Avogadro's constant 6.0 x 10^{23} mol ⁻¹)						
	A 60	В	1.0 x 10 ⁻²²	С	3.6 x 10 ²⁵	D	1.0 x 10 ⁻²³	
8	What amount of oxygen, O_2 , (in moles) contains 1.8 x 10^{22} molecules?							
	A 0.0030	В	0.030	С	0.30	D	3.0	
9	One atom of an el	lement has a	mass of 1.06 x	10 ⁻²² gi	rams. The atom	nic symt	ool of this element is	
	A Cu	В	С	С	Cl	D	Cr	
10	Which of the following has the greatest mass?							
		ms of helium toms of copp		B D		10 moles of oxygen molecules 1 mole of gold atoms		
11		Which one of the following samples contains the smallest number of molecules?						
	-	n dioxide, C thalene, C ₁₀ H		B D	1 g of gluco 1 g of octan			

	Avogadro Q								
12	One	mole of H ₂ O m	olecules c	ontains					
	А	$6.02 \ge 10^{23}$ ato			В	$6.02 \ge 10^{23}$ hydrogen atoms			
	С	$3.01 \ge 10^{23} $ ox	ygen atom	S	D	$1.8 \ge 10^{24}$ atoms			
13	The	sample which c	ontains 2.0) x 10^{23} atoms is	S				
	А	9.0 g O ₂	В	13.0 g K		С	15.0 g P ₄	D	12.0 g Mg
14	14 Which of the following samples contains the smallest number of atoms ?								
	А	1 g of H ₂	U 1	1 g of O ₂			$1 \text{ g of } S_8$	D	1 g of Cl ₂
		U		e			C I		U
1.7	τo	0.50 1 6 4	1 10		HOCI		TT .1		
15	In 0	.250 moles of et	hane-1,2-c	liol (antifreeze),	, HOCF	H_2CH_2O	H, there are		
		1.51×10^{23} stor				D	$1.51 \times 10^{24} \times 10^{24}$	1	

Α	1.51×10^{23} atoms	В	1.51×10^{24} molecules
С	1.51×10^{24} atoms	D	6.02×10^{24} atoms