



7) The numb	per of water molecules present in a drop of water (volume 0.0018 r	nl) at room temperature is [DCE 2000]
A)	$6.023 imes 10^{19}$	
B)	$1.084 imes 10^{18}$	
C)	4.84×10^{17}	
D)	$6.023 imes 10^{23}$	
1. 17		
■ 8) One mole	e of calcium phosphide on reaction with excess of water gives	[IIT 1999]
A)	One mole of phosphine	[1999]
B) O	Two moles of phosphoric acid	
C)	Two moles of phosphine	
D)	One mole of phosphorus pentoxide	

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9)
19.7 kg of gold was recovered from a smuggler. How many atoms of gold were recovered (Au =197) [Pb. CET 1985]
A)
            100
B)
            6.02\times10^{23}
C)
            6.02\times10^{24}
0
D)
            6.02\times10^{25}
 10)
 The total number of protons in 10 g of calcium carbonate is (N_0=6.023	imes10^{23})
 A)
             1.5057 \times 10^{24}
 0
 B)
             2.0478 \times 10^{24}
  0
  C)
             3.0115 \times 10^{24}
  0
  D)
              4.0956 \times 10^{24}
  0
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The number of molecules in 16 g of methane is

A)
$$0 \quad 3.0 \times 10^{23}$$
B)
$$0 \quad 6.02 \times 10^{23}$$
C)
$$\frac{16}{6.02} \times 10^{23}$$
D)
$$0 \quad \frac{16}{3.0} \times 10^{23}$$
D)
$$0 \quad \frac{16}{3.0} \times 10^{23}$$
Number of molecules in 100 ml of each of O_2 , NH_3 and CO_2 at STP are [Bihar MADT 1985]

A) In the order $CO_2 < O_2 < NH_3$
B) In the order $NH_3 < O_2 < CO_2$
C) The same

D)
$$0 \quad NH_3 = CO_2 < O_2$$
View Solution

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THE IIIO	culai weight of nydrog	en peroxide is 34. Wh	at is the unit of molecular v	weight	[MP PMT 1986]	
A)			1			
0	g		, e			
B)						
0	mol					
C)						
ó	$gmol^{-1}$					
no the the thirt	depth density					
D)	Marine to the second					
an O	$mol \ g^{-1}$					
on a hilbert	Marin male grow that the same					
of Maria Maria	Market and the first terms of the	39	• 31			
14						
i ne nu	mber of water molecule	es in 1 litre of water is	[EAMCET 1990]			
A)						
0	18					
В)	à					
0	18×1000					
	10 × 1000					
C)						
0	N_A					
D)						
0	$55.55 N_A$					



