

Smart Guess & Test Papers

__ Father Name __ Class: 1st /year - Chemistry Marks : 42 Exam Format : Chapter Wise MCQs

Time: notespk.com_Nauman Sadaf | Date ______ Examiner Sig _____ Chapter#: 1

MCQ's S/Q L/Q Total

Objective Type

1. Encircle the Correct Option. $(1 \times 32 = 32)$

1. درست جواب کے گرد دائرہ لگائل،

d) $22.4 \text{ dm}^3 \text{ of CO}_2 \text{ at . S.T.P.}$

1)	Iso	topes	differ	ın
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			1. درست جواب نے کرد دائرہ لکا یں۔
1) Isotopes differ in			
a) Properties Which depends upon mass	b) Arrangement of electrons in orbitals	c) Chemical properties	d) The extent to which they may be effected in electromagnetic field
2) 27 g of A1 will react complete	ly with how much mass of O2 to pr	roduce Al ₂ O ₃ .	
a) 8 g of oxygen	b) 16 g of oxygen	c) 32 g of oxygen	d) 24 g of oxygen
3) A limiting reactant is the one v	vhich		
a) Is taken in lesser quantity in grams as compared to other reactants.	b) Is taken in lesser quantity in volume as compared to the other reactants.	c) Gives the maximum amount of the product which is required.	d) Gives the minimum amount of the product under consideration.
4) Isotopes differ in	-0.	of K.	
a) Properties which depend upon mass	b) Arrangement of electrons in orbitals	c) Chemical properties	d) The extent to which they may be affected in electromagnetic field
5) The number of Isotopes of Go	ld (Au) is	9	
a) 1	b) 3	c) 7	d) 11
6) The number of natural Isotope	s is		
a) 280	b) 150	c) 300	d) 400
= \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			

7) Isotopes differ in

 a) Number of atoms 	b) Number of Ptoton	c) Number of electron	d) Number of neutron

8) Which of the following statement is not true.

a) Isotopes with even atomic	b) Isotopes with odd atomic	c) Isotopes with even atomic	d) Isotopes with even atomic
masses are comparatively	masses are comparatively	masses and even atomic	masses and oss atomic numbers
abundaat	abundant	numbers are comparatively	are comparatively abundant
		abundant	

9) The number of isotopes of calcium is

a) Six	b) Seven	c) Five	d) Nine
10) Silver has	natural isotopes		

a) Nine	b) Two	c) Eleven	d) Sixteen
11) 611 1			

11) Silver has isotopes.

a) Nine	b) Ten	c) Eleven	d) Sixteen		
12) What is the maximum mass of chromium that can be extracted from 76x of Cr. O. 2					

12) What is the maximum mass of chromium that can be extracted from 76g of Cr₂O₃?

			l l
a) 48g	b) 52g	c) 104g	d) 152a
a) 40g	b) 52g	C) 104g	a) 152g

13) Which of the following has highest mass at S.T.P? a) 6.02×10^{22} molecules of CO_2 b) 2 moles of CH₄

14) The number of atoms present in 0.5 moles of Na is				
a) 1.0×10^{23}	b) 6.02×10^{23}	c) 2.04×10^{23}	d) 3.01×10^{23}	

c) 0.1 g mole of N₂O

15) The volume occupied by 16g of CH_4 at S.T.P.

a) 224.14 dm ³ b) 22.414 dm ³	c) 1.12 dm ³	d) 2.24 dm ³	
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16) The volume occupied by 1.6 g of O₂ at S.T.P.

a) 24.4 dm ³	b) 2.24 dm ³	c) 1.12 dm ³	d) 112 dm ³

17) The volume occupied by 1.4g of N_2 at S.T.P is

a) 24.4 dm ³	b) 22.4 dm ³	c) 1.12 dm^3	d) 112 dm ³

18) What are the number of moles of hydrogen atom in 3.2g of CH_4 ? (Relative atomic mass C = 12)

a) 0.2	b) 0.4	c) 0.6	d) 0.8	

			6.02×10^{23} molecules				
20) What is the ratio of volume of							
a) 1:8	b) 1:2	c) 1:1	d) 2:1				
21) Number of moles in 100g of K) 0 014	1) 0.016				
a) 0.76	b) 0.56	c) 0.014	d) 0.816				
22) Stoichiometry is a branch of _ a) Physics	b) Chemistry	c) Biology	d) English				
23) Stoichiometry tells us the	relationship between reactants		d) English				
a) Qualitative	b) Quantitative	c) Both A & B	d) None of these				
24) In mass mole relationship if w		l	of other substance.				
a) Mass	b) No. of electron	c) Moles	d) None of these				
25) In Mass-volume relationship i	f we are given with mass of one su	ıbstance we can calculate	of other substance.				
a) Mole	b) Volume	c) Both A & B	d) None of these				
26) In stoichiometric calculate all	the reactants must converted into						
a) Products	b) Reactants	c) Both A & B	d) Molar mass				
27) The reactant which consumes	earlier and gives least quantity of	product is called.					
a) Reactant	b) Limiting reactant c)	Stoichiometryd	d) Stoichiometric amount				
28) A limiting reactant is the one	which						
a) Is taken is lesser quantity to the amount in gram required	b) Is taken is lesser quantity in volume as per its required	c) Gives the maximum amount of the product required	d) Gives the minimum amount of the required product				
29) The amount of products obtain	ned in a chemical reaction is called	yield of that reaction.					
a) Required	b) Low	c) High	d) Actual				
30) The amount of products calculated	lated from balanced chemical equa	ntion represents.					
a) Actual yield	b) Theoretical yield	c) Both A & B	d) None of these				
31) In most of the reactions the ac	tual yield isthan theore	t <mark>ica</mark> l yield .					
a) More	b) Less	c) None	d) Expected yield				
32) Many elements have fractiona							
a) The mass of the atom is itself fractional	b) Atomic masses are average masses of isobars	c) Atomic masses are average masses of isotopes	d) Atomic masses are average masses of isotopes proportional to their relative abundance				
2. Write "T" for a true statement and "F" for a false statement (1 x 4 = 4)							
	لگائيں۔) لگائیں اور غلط کے سامنے (X) کا نشان	2. درست جواب کے سامنے (🗸) نشان				
33) Neon has three isotope	es and the fourth one with a	atomic mass 20.18 amu					
33) Neon has three isotopes and the fourth one with atomic mass 20.18 amu. □ True □ False							
	- 1 70 C 11 10 000	C 1' 1					
34) The number of atoms i	n 1.79 g of gold and 0.023	g of sodium are equal.					
☐ True ☐ False							
35) The number of electron	ns in the molecules of CO	and N_2 are 14 each, so 1 g	of each gas will have same				
number of electrons.							
☐ True ☐ False							
36) Actual yield of a chemical reaction may be greater than the theoretical yield.							
3. Fill in the blanks. (1 x 6 = 6)							
37) The unit of relative atomic mass is							
38) The exact masses of isotopes can be determined by spectrograph.							
39) The phenomenon of isotopy was first discovered by							
40) A limiting reagent is that which controls the quantities of							
41) 4g of CH ₄ at 0°C and 1 atm pressure hasmolecules of CH ₄							
42) Stoichiometric calculations can be performed only when is obeyed.							
	42) Stoichiometric calculations can be performed only when is obeyed.						