Stoichiometry

Sr	Questions	Answers Choice

1	One mole of water contains.	A. 81 g water
		B. 6.02 x 10^{
		23} atom
		C. 6.02 x 10^{
		23} ions
		D. 6.02 x 10^{
		23} molecule
		E. 6.02 x 10^{
		23} atom

2	The largest numebr of molecules are present in	A. 3.6 g of H2O B. 4.6 g of C2H5OH C. 2.8 g of CO D. 5.4 g of N2O5
3	What is the number of moless of oxygen in 11 g of CO2	A. 0.25 B. 0.50 C. 0.75 D. 1.0
4	The volume of occupied by 1.4 g of N1 at	A. 1.12 dm3 B. 2.24 dm3 C. 22.4 dm3 D. 112 dm3
5	A solution contains 4.0 g of sodium hydroxide in 250 cm3 of solution. What is the molar concentration of this solution	A. 0.10 mol dm-3 B. 0.20 mol dm-3 C. 0.40 mol dm-3 D. 0.80 mol dm-3
6	Which of the following has minimum mass	A. 3 x 10 ²³ atom of C B. 1 mole of S C. 79 gram of Ag D. 2 gram atomsof N
7	Which of the following has maximum mass	A. 2 moles of P B. 5 moles of H2O C. 2 mole of Na2CO3 D. 1 mole of glucose
8	If 16 g of O2 react with excess C2H6,how many gamof CO2 will be formed. 2C2H6+7O2----------4CO2 +5H2O	A. 22 g B. 13 g C. 9 g D. 7g
9	The mass of 0.5 mole of Al is	A. 13.5g B. 12g C. 14 g D. 2.7 g

10	The total number of oxygen atom is 22 g of CO2 gas is	A. 6.02 x 10^{
		23} molecules
		B. 12.4 x 10^{
		23}
		C. 12.04 x 10^{
		23}
		D. 2.0 x 10^{
		23}

11	A limiting reactatn is the one which	A. Is taken on lesser quantity in gram to compared to other reactionts B. Is taken in lesser quantity in volume as compared to the other reactants C. Gives the maximum amount o fthe produce which is required D. Gives teh minimum amountof the proudcut under considerationn
12	What the mass of oxygen obtainqng from 72 g of pure water.	A. 16 g B. 32 g

		C. 64 g D. 72 g
13	4.0 g of NaOH (molar mass 40 g mol-1) contains same numebr of sodium ions as are present in	A. 5.3 g of Na2CO 3 B. 58.5 g of NaCl C. 76 g Na2 SO4 D. 85 g of NaNO3
14	Which one of the followng has maximum mass.	A. 0.5 mol of N2 B. 0.5 Mol of NH3 C. 0.5 mol of He D. 0.5 mol of H2
15	Molar volume of a gas at STP is equal	A. 1 gram of a gas B. 23. 414 dm3 C. 6.02 x 10²³ of a gas D. 1 gram ion of ags
16	Mass of moles of CO2 is.	A. 44 g B. 88 g C. 40 g D. 50 g
17	Which one of the following Statments is incorrect	A. One mole of nitrogen gas contains Avogadro's numebr of moleclues B. One mole of ozone gas contains avogadr's number of molecules C. One mole of ozone contains avogadro's number of O atom D. One moleof hydrogen gas contains Avogadro's numebrof molecules
18	The number of molecule in 8g of oxygen gas is.	A. 6.02 x 10²³ B. 1.50 x 10²³ C. 0.75 x 10²³ D. 12.4 x 10²³
19	The ratio of numerbof olecues of 2 g H2 gas to numebr of molecues of 64 g gaseous oxygen is	A. 1:2 B. 1:1 C. 1:32 D. 1:4
20	27 g of Al will react completely with how much mass of O2 to produce Al2 O3.	A. 8 g B. 24 g C. 16 g D. 32 g