Stoichiometry

Sr	Questions	Answers Choice
1	A nceklaee has 6 g of diamonds in it . What are the numberof carbon atoms in it?	A. 3.01 x 10²³ B. 1.003 x 10²³ C. 12.04 x 10²³ D. 6.02 x 10²³
2	Empirical formula of acetic acid (CH3COOH) is	A. CHO B. CH C. CH2O D. None of these
3	How many atoic mass units (amu) are there in one gram.	A. 1 amu B. 6.022 x 10²³ C. 10 amu D. 6.022 x 10²²
4	Empricial formula of sand is.	A. SiO2 B. SiO3 C. SiO4 D. SiO
5	How many atom of carbon are present in one molecule of glucose.	A. 11 B. 22 C. 12 D. 6
6	Mass of 3 moles of oxygen atoms is.	A. 64 g B. 16 g C. 32 g D. 48 g
7	Number of moels in 29.25 g NaCl is.	A. 0.50 B. 0.25 C. 0.21 D. 0.75
8	Which of the following is insoluble salt	A. KCl B. AgCl C. NaCl D. CaCl2
9	Stochiometric calculators are used to prepare.	A. Soaps B. Shampo C. Perfumes D. All of these
10	Formula mass of K2SO4 is.	A. 174 amu B. 110 amu C. 180 amu D. 145 amu
11	Whof the following represent sand?	A. NaCl B. CaCO3 C. H2O D. CH2O
12	How many atoms are present in one gram of H2O?	A. 1002 x 10²³ atom B. 6.022 x 10²³atom C. 0.334 x 10²³atom D. 2.004 x 10²³atom
13	What is the mass of 4 moles of hydrogen gas.	A. 1 g B. 1.008 g C. 8.064 g D. 4.032 g
14	If one mole of carbon contains x atoms what is the number of atoms contained in 12 g of Mg.	A. 1.5 x B. 0.5 x C. x D. 2x
15	1 gram formula of NaCl contan is grams.	A. 100 g B. 58.5 g C. 32 g D. 49 g

16	Numbr of hydrogen atoms present in 18 g of water.	A. 2 x NA B. N_A C. 3 x N_A D. 1/2 N_A
17	The mass of one molecule of water is.	A. 18 g B. 18 mg C. 18 kg D. 18 amu
18	Which one of the following compounds will hae the highest percentage of the mass of nitrogen?	A. N_2H_4 B. $CO(NH_2)_2$ C. NH_3 D. NH_2OH
19	Empirical formula of Benzene is.	A. CH_2O B. CH C. C_2H D. CH_2
20	1- gram atom of carbon contain hwo many moles.	A. 1 mole B. 2 mole C. 6 moles D. 12 moles