

Stoichiometry

Sr	Questions	Answers Choice
1	Numbr of hydrogen atoms present in 18 g of water.	A. $2 \times N_A$ B. $N_{\text{sub}}A_{\text{sub}}$ C. $3 \times N_{\text{sub}}A_{\text{sub}}$ D. $1/2 N_{\text{sub}}A_{\text{sub}}$
2	How many number of moles are equivalent to 8 gram of CO ₂ .	A. 0.18 B. 0.15 C. 0.24 D. 0.21
3	Limes is another name of	A. Sodium hydroxide B. Sodium Carbonate C. Calcium Carbonate D. Silicon dioxide
4	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
5	What is the mass of Al in 204 g of aluminium oxide Al ₂ O ₃	A. 26 g B. 54 g C. 108 g D. 27 g
6	Mass of 3 moles of oxygen atoms is.	A. 64 g B. 16 g C. 32 g D. 48 g
7	Empirical formula of hydrogen peroxide.	A. HO B. CO C. CHO D. CH
8	Without stoichiometry which industry cannot exist.	A. Meta B. Petroleum C. Leather D. Chemical
9	The mass number of sodium is.	A. 19 B. 31 C. 27 D. 23
10	Empricial formula of sand is.	A. SiO ₂ B. SiO ₃ C. SiO ₄ D. SiO
11	The molecular mass of H ₂ SO ₄ is.	A. 9.8 g B. 98 amu C. 98 g D. 9.8 amu
12	What mass of 95% CaCO ₃ will be required to neutralize 50 cm ³ of 0.5 M HCl solution.	A. 9.5 g B. 1.45 g C. 1.32 g D. 1.25 g
13	Avogadro was a scientist	A. Italian B. Greek C. Garman D. African
14	How many ataic mass units (amu) are there in one gram.	A. 1 amu B. 6.022×10^{23} C. 10 amu D. 6.022×10^{22}
15	The mass of one molecule of water is.	A. 18 g B. 18 mg C. 18 kg D. 18 amu

16	A necklace has 6 g of diamonds in it. What are the number of carbon atoms in it?	A. 3.01×10^{23} B. 1.003×10^{23} C. 12.04×10^{23} D. 6.02×10^{23}
17	When one mole of each of the following compounds is reacted with oxygen, which will produce the maximum amount CO ₂ ?	A. Carbon B. Ethane C. Diamond D. Methane
18	A compound with chemical formula Na ₂ CX ₃ has formula mass 106 amu. Atomic mass of the element X is.	A. 16 B. 23 C. 12 D. 106
19	How many atoms are present in one gram of H ₂ O?	A. 1002×10^{23} atom B. 6.022×10^{23} atom C. 0.334×10^{23} atom D. 2.004×10^{23} atom
20	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