

Stoichiometry

Sr	Questions	Answers Choice
1	Without stoichiometry which industry cannot exist.	A. Meta B. Petroleum C. Leather D. Chemical
2	The mass of one molecule of water is.	A. 18 g B. 18 mg C. 18 kg D. 18 amu
3	Molecular mass of Acetic Acid	A. 70 amu B. 43 amu C. 60 amu D. 80 amu
4	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
5	Formula of common salt is	A. NaCl B. AgCl C. LiCl D. KCl
6	The mass number of sodium is.	A. 19 B. 31 C. 27 D. 23
7	Which term is the same for one mole of oxygen and one mole of water.	A. atoms B. mass C. Molecules D. Volume
8	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
9	Formula of Ozone.	A. O ₂ B. S ₈ C. CO ₂ D. O ₃
10	Formula mass of K ₂ SO ₄ is.	A. 174 amu B. 110 amu C. 180 amu D. 145 amu
11	Empirical formula of Benzene is.	A. CH ₂ O B. CH C. C ₂ H D. CH ₂
12	Which compound has same molecular and empirical formula.	A. C ₆ H ₁₂ O ₆ B. H ₂ O ₂ C. H ₂ O D. C ₆ H ₆
13	Number of moles in 29.25 g NaCl is.	A. 0.50 B. 0.25 C. 0.21 D. 0.75
14	Mass of 3 moles of oxygen atoms is.	A. 64 g B. 16 g C. 32 g D. 48 g
15	How many atoms are present in one gram of H ₂ O?	A. 1002 x 10 ²³ atom B. 6.022 x 10 ²³ atom C. 0.334 x 10 ²³ atom D. 2.004 x 10 ²³ atom

16	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
17	1- gram atom of carbon contain hwo many moles.	A. 1 mole B. 2 mole C. 6 moles D. 12 moles
18	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
19	Empirical formula of acetic acid (CH ₃ COOH) is	A. CHO B. CH C. CH ₂ O D. None of these
20	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