

Stoichiometry

Sr	Questions	Answers Choice
1	Empirical formula of hydrogen peroxide.	A. HO B. CO C. CHO D. CH
2	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
3	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
4	Formula of Ozone.	A. O ₂ B. S ₈ C. CO ₂ D. O ₃
5	Stoichiometric calculators are used to prepare.	A. Soaps B. Shampo C. Perfumes D. All of these
6	Numb of hydrogen atoms present in 18 g of water.	A. 2 x N _A B. N _A C. 3 x N _A D. 1/2 N _A
7	How many moles of molecules are there in 16 g oxygen.	A. 0.05 B. 0.1 C. 0.5 D. 1
8	Which term is the same for one mole of oxygen and one mole of water.	A. atoms B. mass C. Molecules D. Volume
9	Which is the correct formula of calcium phosphide.	A. CaP B. Ca ₃ P ₂ C. CaP ₂ D. Ca ₂ P ₃
10	Empirical formula of sand is.	A. SiO ₂ B. SiO ₃ C. SiO ₄ D. SiO
11	Empirical formula of Benzene is.	A. CH ₂ O B. CH C. C ₂ H D. CH ₂
12	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
13	Value of Avagadro's number is.	A. 6.6 x 10 ⁻²⁰ B. 6.02 x 10 ²³ C. 6.00 x 10 ²⁴ D. 1.32 x 10 ²³
14	How many atom of carbon are present in one molecule of glucose.	A. 11 B. 22 C. 12 D. 6
15	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

16	How many atomic mass units (amu) are there in one gram.	A. 1 amu B. 6.022×10^{23} C. 10 amu D. 6.022×10^{22}
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	Empirical Formula of Glucose is	A. CH ₂ O B. CHO C. CHO ₂ D. C ₂ HO
19	Which of the following represent sand?	A. NaCl B. CaCO ₃ C. H ₂ O D. CH ₂ O
20	40 g of H ₃ PO ₄ contains number of moles	A. 0.58 g B. 4.8 g C. 5.8 g D. 0.408 g