

## Stoichiometry

Sr	Questions	Answers Choice
1	1 gram formula of NaCl contain is grams.	A. 100 g B. 58.5 g C. 32 g D. 49 g
2	Empirical formula of hydrogen peroxide.	A. HO B. CO C. CHO D. CH
3	Which is the correct formula of calcium phosphide.	A. CaP B. $\text{Ca}_3\text{P}_2$ C. $\text{CaP}_2$ D. $\text{Ca}_2\text{P}_3$
4	A necklace has 6 g of diamonds in it. What are the number of carbon atoms in it?	A. $3.01 \times 10^{23}$ B. $1.003 \times 10^{23}$ C. $12.04 \times 10^{23}$ D. $6.02 \times 10^{23}$
5	What mass of 95% $\text{CaCO}_3$ will be required to neutralize 50 cm <sup>3</sup> of 0.5 M HCl solution.	A. 9.5 g B. 1.45 g C. 1.32 g D. 1.25 g
6	Number of moles in 29.25 g NaCl is.	A. 0.50 B. 0.25 C. 0.21 D. 0.75
7	Empirical formula of Benzene is.	A. $\text{CH}_2\text{O}$ B. CH C. $\text{C}_2\text{H}$ D. $\text{CH}_2$
8	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
9	The mass number of sodium is.	A. 19 B. 31 C. 27 D. 23
10	How many moles are there in 25 g of $\text{H}_2\text{SO}_4$ ?	A. 0.765 Moles B. 0.255 moles C. 0.4 moles D. 0.51 moles
11	What is the mass of Al in 204 g of aluminium oxide $\text{Al}_2\text{O}_3$	A. 26 g B. 54 g C. 108 g D. 27 g
12	Empirical formula of sand is.	A. $\text{SiO}_2$ B. $\text{SiO}_3$ C. $\text{SiO}_4$ D. SiO
13	How many atoms of carbon are present in one molecule of glucose.	A. 11 B. 22 C. 12 D. 6
14	Mass of 3 moles of oxygen atoms is.	A. 64 g B. 16 g C. 32 g D. 48 g
15	Which compound has same molecular and empirical formula.	A. $\text{C}_6\text{H}_{12}\text{O}_6$ B. $\text{H}_2\text{O}_2$ C. $\text{H}_2\text{O}$ D. $\text{C}_6\text{H}_6$

16	Value of Avagadro's number is.	A. $6.6 \times 10^{-20}$ B. $6.02 \times 10^{23}$ C. $6.00 \times 10^{24}$ D. $1.32 \times 10^{23}$
17	How many atomic mass units (amu) are there in one gram.	A. 1 amu B. $6.022 \times 10^{23}$ C. 10 amu D. $6.022 \times 10^{22}$
18	How many number of moles are equivalent to 8 gram of CO <sub>2</sub> .	A. 0.18 B. 0.15 C. 0.24 D. 0.21
19	The molecular mass of H <sub>2</sub> SO <sub>4</sub> is.	A. 9.8 g B. 98 amu C. 98 g D. 9.8 amu
20	1- gram atom of carbon contain hwo many moles.	A. 1 mole B. 2 mole C. 6 moles D. 12 moles