

## Stoichiometry

Sr	Questions	Answers Choice
1	Numb <sup>r</sup> of hydrogen atoms present in 18 g of water.	A. $2 \times N_A$ B. $N_A$ C. $3 \times N_A$ D. $\frac{1}{2} N_A$
2	40 g of $H_3PO_4$ contains nume <sup>b</sup> r of moles	A. 0.58 g B. 4.8 g C. 5.8 g D. 0.408 g
3	What mass of 95% $CaCO_3$ 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
4	Formula of Ozone.	A. $O_2$ B. $S_8$ C. $CO_2$ D. $O_3$
5	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
6	The mass of one molecule of water is.	A. 18 g B. 18 mg C. 18 kg D. 18 amu
7	A nceklaee has 6 g of diamonds in it . What are the numberof carbon atoms in it?	A. $3.01 \times 10^{23}$ B. $1.003 \times 10^{23}$ C. $12.04 \times 10^{23}$ D. $6.02 \times 10^{23}$
8	Avogad <sup>r</sup> ao was a scientist	A. Italian B. Greek C. Garman D. African
9	Empirical formula of hydrogen peroxide.	A. HO B. CO C. CHO D. CH
10	Which one of the following compounds will hae the highest percentage of the mass of nitrogen?	A. $N_2H_4$ B. CO (NH <sub>2</sub> ) <sub>2</sub> C. NH <sub>3</sub> D. NH <sub>2</sub> OH
11	Limes is another name of	A. Sodium hydroxide B. Sodium Carbonate C. Calcium Carbonate D. Silicon dioxide
12	Which compound has same molecular and emip <sup>r</sup> ical formula.	A. C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> B. H <sub>2</sub> O <sub>2</sub> C. H <sub>2</sub> O D. C <sub>6</sub> H <sub>6</sub>
13	Em <sup>r</sup> irical formula of sand is.	A. SiO <sub>2</sub> B. SiO <sub>3</sub> C. SiO <sub>4</sub> D. SiO
14	Mass of 3 moles of oxygen atoms is.	A. 64 g B. 16 g C. 32 g D. 48 g
15	Without stoichiometry which industry cannot exist.	A. Meta B. Petroleum C. Leather D. Chemical

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16	The mass number of sodium is.	A. 19 B. 31 C. 27 D. 23
17	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. $1.32 \times 10^{23}$
18	How many atoms are present in one gram of H <sub>2</sub> O?	A. $1002 \times 10^{23}$ atom B. $6.022 \times 10^{23}$ atom C. $0.334 \times 10^{23}$ atom D. $2.004 \times 10^{23}$ atom
19	Whcih term is the same for one mole of oxgen and one mole of water.	A. atoms B. mass C. Molecules D. Volume
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

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