

Chemistry Fsc Part 1 Online Test

Sr	Questions	Answers Choice
1	Which one of the following substances is used as water absorber in combustion analysis.	A. $\text{Mg}(\text{ClO}_4)_2$ B. 50% KOH C. Lime water D. Dilute solution of NaOH
2	If the empirical formula of compound is CH_2 and its molecular mass is 56 then what is the actual molecular formula of this compound.	A. CH_2 B. C_2H_4 C. C_3H_6 D. C_4H_8
3	In mass spectrometry, ions are produced by	A. Heat at high temperature B. Passing gas through high voltage plates C. Throwing fast moving electrons on gas molecules D. All of them
4	More abundant isotope of an element is the one with.	A. Even atomic number B. Odd atomic number C. Even mass number D. Odd mass number
5	In mass spectrometry, ions are separated on the basis of.	A. Masses only B. Charge only C. Change to mass ratio D. Mass to charge ratio
6	Which statement is incorrect about Dempster's mass spectrometer.	A. Solid sample can be used in this mass spectrometer B. Ions are detected on the basis of mass to charge ratio C. Atoms or molecules are ionized with beam of electron. D. This spectrometer work at one atmospheric pressure.
7	The total number of protons and neutrons present in the nucleus of an atom is called.	A. Mass number B. Atomic number C. Molecular mass D. Relative atomic mass
8	One molecule of hemoglobin is heavier than one atom of hydrogen.	A. 680 times B. 6800 times C. 68000 times D. 680000 times
9	CO^+ is an example of.	A. Free radical B. Cationic molecular ion C. Anionic molecular ion D. Stable molecule
10	Which statement about a molecule is incorrect.	A. It exist independently B. Molecules of a substances are similar C. Hemoglobin is a homoatomic molecules D. Oxygen molecule is a macromolecule
11	Chlorine atom and chloride ions.	A. Are chemically identical B. Are allotropes of chlorine C. Have same number of electrons D. Have same number of protons
12	The ratio of number of molecules of 2 g H_2 to number of molecules of 64 g gaseous oxygen is.	A. 1:1 B. 1:2 C. 1:32 D. 1:4
13	One mole of ethanol and one mole of ethane have an equal	A. Masses B. Number of atoms C. Number of electrons D. Number of molecules
		A. 6.02×10^{23}

14	the number of Al^{3+} ion in AlCl_3 is 2.007×10^{23} . The number of Cl^- ions are.	B. 3.01×10^{23} C. 3.01×10^{23} D. 1.5×10^{23}
15	The smallest collection of ions in an ionic compound is called.	A. Formula unit B. Chemical formula C. Formula mass D. Molecular formula
16	Glucose can be converted into ethanol by an enzyme.	A. Lipase B. Zymase C. Sucrose D. Urease
17	Half life period for ^{235}U is 92	A. 710 million years B. 810 million years C. 720 million years D. 820 million years