



قائمة الاسئلة 2025-04-27 06:09

كيمياء عامة-الأول-طب وجراحة الفم -كلية طب وجراحة الفم والاسنان-درجة الامتحان (60)

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- 1) Chemistry is the science interested the study of matter.....
 - 1) - What it is
 - 2) - It's properties
 - 3) - What it becomes
 - 4) ☒ all answers are correct
- 2) can be as a homogeneous mixture.
 - 1) ☒ Salt water
 - 2) - sand with wter
 - 3) - salt water and sand with water
 - 4) - all answers are incorrect
- 3) is a chemical property
 - 1) - Flammability
 - 2) - mass
 - 3) - Boiling point
 - 4) ☒ all answers are incorrect
- 4) is Chemical changes of matter.
 - 1) ☒ Oxidation
 - 2) - volume
 - 3) - mass
 - 4) - Boiling point
- 5) $1 \text{ cm}^3 = \dots\dots\dots$
 - 1) - 1L
 - 2) - 1000 mL
 - 3) ☒ 1mL
 - 4) - all answers are incorrect
- 6) is how close a measurement is to the true value
 - 1) ☒ Accuracy
 - 2) - Precision
 - 3) - and Accuracy
 - 4) - all answers are incorrect
- 7) have no charge, no mass, like a light.
 - 1) - a particles
 - 2) - b particles
 - 3) ☒ g rays
 - 4) - all answers are correct
- 8) are negative and are formed by elements on the right side of the periodic chart.
 - 1) - Metals
 - 2) ☒ Nonmetals
 - 3) - bases
 - 4) - all answers are incorrect
- 9) CO_2 is Compound
 - 1) - Ionic
 - 2) ☒ molecular
 - 3) - and ionic
 - 4) - all answers are incorrect





- 10) Molecular Weight (M.Wt) for NaCl is g/mol. (Na=23, Cl=35.5 g/mol)
- 1) - 85.5
 - 2) ☒ + 58.5
 - 3) - 36.5
 - 4) - all answers are incorrect
- 11) Percentage of carbon in ethane (C_2H_6) (H=1, C=12 g/mol)
- 1) - 20%
 - 2) - 60%
 - 3) ☒ + 80%
 - 4) - 40%
- 12) Empirical Formula for $C_6H_{12}O_6$ is
- 1) - $C_6H_{12}O_6$
 - 2) ☒ + CH_2O
 - 3) - CHO_2
 - 4) - all answers are incorrect
- 13) If the Theoretical Yield for the reaction= 60.g and the Actual Yield= 56.7g, The percent yield for the reaction:
 $C_6H_6 + Br_2 \rightarrow C_6H_5Br + HBr$ is.....
- 1) ☒ + 94.50%
 - 2) - 0.95%
 - 3) - 9.50%
 - 4) - 95%
- 14) Measuring the mass/charge of e^- was done by
- 1) - Chadwick
 - 2) - Rutherford
 - 3) - Millikan
 - 4) ☒ + Thomson
- 15) $mass\ p \approx mass\ n \approx \dots \times mass\ e^-$
- 1) - 1/1840
 - 2) ☒ + 1480
 - 3) - 1/1480
 - 4) - 1840
- 16) If a neutral atom one or more electrons, it becomes a cation
- 1) - gains
 - 2) ☒ + loses
 - 3) - gain and lose
 - 4) - all answers are incorrect
- 17) H_2O is a
- 1) - A molecular formula
 - 2) - An empirical formula
 - 3) ☒ + An empirical formula and A molecular formula
 - 4) - all answers are incorrect
- 18) KNO_3 is a
- 1) - calcium nitrite
 - 2) - calcium nitrate
 - 3) - potassium nitrite
 - 4) ☒ + potassium nitrate
- 19) $HI(g)$ is a
- 1) ☒ + hydrogen iodide
 - 2) - iodide hydrogen



- 3) - hydroiodic acid
4) - all answers are incorrect
- 20) HNO_3 is an
- 1) - acid
2) - bases
3) ☒ anoxoacid
- 21) Is chorate ion
- 1) - ClO^-
2) - ClO_2^-
3) ☒ ClO_3^-
4) - ClO_4^-
- 22) $\text{BaCl}_2 \cdot 2\text{H}_2\text{O}$ is a
- 1) - salt
2) ☒ Hydrates
3) - acid
4) - bases
- 23) the formula mass of Na_2CO_3 is, Na=23, O=16, C=12 g/mol
- 1) - 100
2) - 53
3) - 84
4) ☒ 106
- 24) A process in which one or more substances is changed into one or more new substances is a
- 1) - chemical symbols
2) - chemical reaction
3) ☒ chemical equation
4) - all answers are incorrect
- 25) the numbers in front of the formulas are
- 1) - subscripts
2) ☒ coefficients
3) - chemical symbols
4) - all answers are incorrect
- 26) Is the electrostatic force that holds ions together in an ionic compound.
- 1) ☒ ionic bond
2) - molecular bond
3) - covalent bond
4) - all answers are incorrect
- 27) Lattice energy increases as charge
- 1) ☒ increases
2) - decreases
3) - no relation between them
4) - all answers are incorrect
- 28) The bond in CsCl is, (E for Cl=3, CS= 0.7)
- 1) ☒ ionic
2) - pure covlant
3) - normal covlant
4) - polar covlant
- 29) is the ability of an atom to attract toward itself the electrons in a chemical bond.
- 1) - all answers are incorrect
2) ☒ Electronegativity



- 3) - Electron Affinity
4) - Lattice energy
- 30) The valence electrons are the electrons that participate in bonding.
1) ☒ chemical
2) - physical
3) - both chemical and physical
4) - all answers are incorrect
- 31) 0 °C is the point of water
1) - boiling
2) - melting
3) ☒ freezing
4) - all answers are incorrect
- 32) One of the following is not element from the group 1A
1) - Na
2) - Li
3) - K
4) ☒ Mg
- 33) Molecular formula of the Ethane is
1) - CH₄
2) ☒ C₂H₆
3) - C₂H₈
4) - C₃H₁₂
- 34) CH₃-CH₂-CH₂-CH₂-CH₃ is
1) - butane
2) - hexane
3) ☒ pentane
4) - propane
- 35) From the physical properties of alkane that their density is water.
1) - more than
2) ☒ lower than
3) - equal to
4) - all answers are incorrect
- 36) is/ are saturated hydrocarbons.
1) ☒ Alkanes
2) - Alkynes
3) - Alkenes
4) - all answers are correct
- 37) Alkenes are containing bonds.
1) - single
2) ☒ double
3) - triple
4) - all answers are incorrect
- 38) are compounds containing one or more benzene rings.
1) - Alkanes
2) - Alkynes
3) - Alkenes
4) ☒ Arenes
- 39) Intra-molecular forces are inter-molecular forces.



- 1) ☒ stronger than
2) ☐ weaker than
3) ☐ equal to
4) ☐ all answers are incorrect
- 40) $(\text{CH}_3\text{-CH}_2\text{-CH}_3)$ formula of propane
1) ☐ molecular
2) ☐ expanded structural
3) ☒ condensed structural
4) ☐ line-angle
- 41) Dipole-dipole bonds are H-bonds
1) ☐ stronger than
2) ☒ weaker than
3) ☐ equal to
4) ☐ all answers are incorrect
- 42) In general, Saturated hydrocarbons have hydrogen atoms attached to the carbon chain than unsaturated compounds.
1) ☒ a larger
2) ☐ a fewer
3) ☐ equal to
4) ☐ all answers are incorrect
- 43) are the large family of organic compounds
1) ☐ Carbohydrates
2) ☒ Hydrocarbons
3) ☐ Aromatic compounds
4) ☐ all answers are incorrect
- 44) is a way to convert the state of matter from Gas to Solid
1) ☐ Pressure increasing
2) ☒ Pressure reducing
3) ☐ heating
4) ☐ boiling
- 45) that have the different arrangements of atoms but the same molecular formulas.
1) ☐ structural isomers
2) ☐ isotopes
3) ☒ Geometrical isomers
4) ☐ all answers are incorrect
- 46) Anion is always..... atom from which it is formed
1) ☒ larger than
2) ☐ smaller than
3) ☐ equal to
4) ☐ all answers are incorrect
- 47) zero $^{\circ}\text{C}$ = Kelvin
1) ☐ 273.15
2) ☐ 298.15
3) ☒ 373.15
4) ☐ 173.15
- 48) Hydrocarbons (C_1 - C_4) are
1) ☐ solids
2) ☐ liquids
3) ☒ gases



- 4) - all answers are correct
- 49) In Charles' law, V is at constant n and p
- 1) - P
 - 2) ☒ T
 - 3) - n
 - 4) - all answers are incorrect
- 50) The isoelectronic have the same number of and hence the same ground - state electron configuration.
- 1) - protons
 - 2) ☒ electrons
 - 3) - neutrons
 - 4) - all answers are incorrect
- 51) are used to make the number of atoms of each element the same on both side of equation.
- 1) - subscripts
 - 2) ☒ coefficients
 - 3) - chemical symbols
 - 4) - all answers are correct
- 52) Separation method of mixture which depends on differences in boiling point is
- 1) ☒ distillation
 - 2) - filtration
 - 3) - chromatography
 - 4) - all answers are incorrect
- 53) Molecules can be classified into Molecule
- 1) - diatomic
 - 2) - polyatomic
 - 3) ☒ diatomic and polyatomic
 - 4) - all answers are incorrect
- 54) Halogen normally has unshared pairs of electrons
- 1) - 4
 - 2) ☒ 3
 - 3) - 2
 - 4) - 1
- 55) Manometers Used to Measure Gas
- 1) - Area
 - 2) - force
 - 3) ☒ pressure
 - 4) - all answers are incorrect
- 56) The number of moles in 5g of H_2O = mole, (A.wt O=16, H=1g/mol)
- 1) - 0.98
 - 2) - 3.6
 - 3) - 0.47
 - 4) ☒ 0.2778
- 57) It is considered the most highest ionization energy of all elements
- 1) - 1A
 - 2) - 3A
 - 3) - 5A
 - 4) ☒ 7A
- 58) The standard temperature and pressure (STP) , T = $^{\circ}C$ and P = 1 atm.
- 1) - 25
 - 2) ☒ 0



- 3) - 100
4) - all answers are incorrect
59) The ionic compound is a composition from
1) - metal+metal
2) - nonmetal+nonmetal
3) + metal+nonmetal
4) - all answers are correct
60) The eighth group in periodic table is called
1) - alkali metals
2) - alkali earth metals
3) - Halogens
4) + noble gases