

Fsc Part 1 Chemistry MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	A 0.01 M solution of a strong acid has a pH of	A. 3 B. 2 C. 5 D. 4
2	Alkanes react with halogens via.	A. Electrophilic substitution B. Free radical substitution C. Nucleophilic addition D. Electrophilic addition
3	The quantum numebr values for the fourth electron of Be atom are.	A. $1, 0, 0$ B. $2, 0, 0$ C. $2, 1, 0$ D. $1, 1, 1$
4	Which of the followig regent is typicly used for the acid catalyzed hdratation of alkenes to form alcohols.	A. Dilute H_2SO_4 B. H_2/Ni C. O_3 followed by Zn/H_2O D. Br_2 in CCl_4
5	The oxidation number of sulfur in H_2SO_4 is	A. +2 B. +4 C. +6 D. +8
6	specific heat capacity is amount of heat needed to raise temp of	A. 1 mole B. 1 gram C. 1 kg D. 100 grams
7	On a Boltzmann distribution curve, the activation energy is represented by	A. The height of the peak B. The area under the entire curve C. A vertical line drawn at a specific kinetic energy value D. The difference between the peak and the X axis
8	Noble gases are present in 18 group also called	A. I A B. II B C. VIII A D. VIII B
9	Consider a reaction with $\Delta H > 0$ and $\Delta S < 0$ this reaction will be	A. Spontaneous at all temperaturres B. Non spontaneous at all temperature C. Spontaneous only at high temperatures D. Spontaneous only atlow temperature
10	Which of the following is an aromatic hydrocarbon	A. Ethene B. Benzene C. Methane D. Cyclohexane
11	Which of the following species has unpaired electronrs in antibonding molecular orbitals.	A. O_2^{2+} B. N_2 C. B D. F_2
12	At equilibrium in a clsoed system, whcih two processes occur at the same rate.	A. Melting and freezing B. Evaporation and boiling C. Evaporatin and condensation D. Sublimation and condensation
13	Which of the following has maximum mass	A. 2 moles of P B. 5 moles of H_2O C. 2 mole of Na_2CO_3 D. 1 mole of glucose
14	Electrons in a galvanic cell flow from	A. Anode to cathode B. Cathode to anode C. Salt bridge to cathode

		D. Electrolyte to anode
15	What are the number of moles of hydrogen atom in 3.2 g of CH ₄ ?	<p>A. 0.2</p> <p>B. 0.4</p> <p>C. 0.6</p> <p>D. 0.8</p>
16	Geometrical isomerism is possible in.	<p>A. Alkanes</p> <p>B. Alkene</p> <p>C. Cycloalkanes</p> <p>D. Both a and c</p>
17	In an exothermic reaction, the energy of products is	<p>A. Greater than reactants</p> <p>B. Less than reactants</p> <p>C. Equal to reactants</p> <p>D. Zero</p>
18	At equilibrium in a closed system, which two processes occur at the same rate.	<p>A. Melting and Freezing</p> <p>B. Evaporation and condensation</p> <p>C. Sublimation and condensation</p> <p>D. Evaporation and boiling</p>
19	When a bond is formed	<p>A. Energy is absorbed</p> <p>B. Energy is released</p> <p>C. ΔH is always zero</p> <p>D. No energy change</p>
20	The system that exchanges heat but not mass	<p>A. Closed</p> <p>B. Rigid</p> <p>C. Open</p> <p>D. Isolated</p>