

Subject:Chemistry(Objective)

Choose the best answer.Cutting overwriting and use of inkremover is not allowed

- 1 The expression for the equilibrium constant for the reaction $N_2 + 3H_2 \rightleftharpoons 2NH_3$ is $K_c = \frac{[NH_3]^2}{[N_2][H_2]^3}$ ۔
 a) $[NH_3]^2/[N_2][H_2]^3$ b) $[N_2][H_2]^3/[NH_3]^2$ c) $[NH_3]/[N_2][H_2]$ d) $[NH_3]^2/[N_2][H_2]^3$
- 2 For which reaction K_f is the rate constant: $K_f = \frac{[Products]}{[Reactants]}$ ۔
 a) Forward reaction b) Backward reaction c) Upward reaction d) Downward reaction
- 3 The pOH of 0.001 M of $Ca(OH)_2$ solution is: $pOH = -\log[OH^-]$ ۔
 a) 2 b) 2.5 c) 12 d) 1.5
- 4 Which is the Lavoisier acid?
 a) HCl b) H_2SO_4 c) CO_2 d) NH_3
- 5 General formula of alkane is: (Alkanes) C_nH_{2n+2} ۔
 a) C_nH_{2n+2} b) C_nH_{2n} c) C_nH_{2n-2} d) C_nH_{2n-1}
- 6 Which hydrocarbon has no effect on an aqueous solution of bromine:
 a) CH_4 b) $C_{10}H_{20}$ c) C_2H_2 d) C_2H_4
- 7 Chemical formula of Fructose is:
 a) $C_{12}H_{22}O_{11}$ b) $C_6H_{12}O_6$ c) C_4H_{10} d) C_5H_{12}
- 8 Which is pentahydroxy aldehydes of the following
 a) Starch b) Glucose c) Fructose d) Sucrose
- 9 Our planet earth consists of natural spheres:
 a) 1 b) 4 c) 6 d) 8
- 10 Vibriosis cholera bacteria causes the disease:
 a) Cholera b) Diarrhea c) Jaundice d) Hepatitis
- 11 Temporary hardness is because of:
 a) $Ca(HCO_3)_2$ b) $CaCO_3$ c) $MgCO_3$ d) $MgSO_4$
- 12 Matte is mixture of
 a) Cu_2S and FeS b) FeS and CuS c) FeO and Cu_2O d) CH_2O and FeO