

Chemical Equilibrium

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Sr	Questions	Answers Choice
1	Guldberg and waage out forward law of mass action in:	A. 1889 B. 1879 C. 1869 D. 1859
2	Law of Mass Action was put forward by:	A. G.N.Lewis B. Lowry C. Arrhenius D. Gulbderg and Waage
3	The reaction will attain the equilibrium if:	A. Qc <kc b.="" qc=""> Kc C. Qc = Kc D. Qc = 0</kc>
4	Reaction which have comparable amount of reactants and products at equilibrium state have.	A. Very small Kc value B. Very large Kc value C. Moderate Kc value D. None of these
5	If Qc > Kc the reaction will be in	A. Chemical equilibrium B. Static equilibrium C. Reverse reaction D. Forward reaction
6	In a Reversible Reaction if Qc = Kc then.	A. Reaction is occuring in forward direction B. Reaction is occuring in Reverse direction C. Equilibrium has been allained D. Reaction is not at equilibrium
7	Equilibrium constant has no unit when number of moles of reactants and products are:	A. same B. Different C. Both a and b D. None of these
8	When ${\sf CaCO}_{3,\cdot}$ is heated in an open flask, it decomposes to form calcium oxides and .	A. O ₂ B. CO C. CO ₂ D. CO ₃
9	Which types of reaction speed up gradually?	A. Irreversible reactionsB. Reversibel reactionsC. Forward reactionsD. Decomposition reactions.
10	When the magnitude of Kc is very small in indicates.	A. Equilibrium will never establish B. All reactants will converted to products. C. Reaction will go to completion D. The amount of products is negligible
11	At dynamic equilibrium:	A. The reactions stops to proceed B. The amounts of reactants and products are equal C. The speed of the forward is reverse reactions are equal D. The reaction can no longer be reversed
12	The value of K_{C} depends on.	A. Temperature B. Pressure C. Volume D. Atmosphere
13	The reaction in which the products can recombine to form reactants are called.	A. Reversible reaction B. Irreversible reaction C. Decomposition D. Addition
14	When the reaction causes to produced it is called.	A. Chemical equilibrium state B. Static equilibrium C. Dynamic equilibriiun

		D. All
15	The major components of Atmosphere are:	A. Carbon and Nitrogen B. Nitrogen and Oxygen C. Oxygen and Chlorine D. None of these
16	The lives of aquatic plants and animals are indirectly related to concentration of dissolved	A. hydrogen B. oxygen C. chlorine D. nitrogen
17	Which colour of HI is ?	A. Orange B. Purple C. Red D. Colourless
18	When the magnitude of Kc is very large it indicates.	A. Reaction mixture consist of almost all products. B. Reaction mixture consist of almost all reactants. C. Reaction has not gone to completion D. Reaction mixture has negligible products.
19	For reactions having large Kc value, the reaction proceeds to:	A. Completion B. Equilibrium state C. back ward D. None of these
20	An equilibrium is achievable only in a:	A. big system B. small system C. open system D. closed system