

## Chemical Equilibrium

Sr	Questions	Answers Choice
1	Reactions which have comparable amounts of reactants and products at equilibrium state have:	A. very small Kc value B. <b>Very large Kc value</b> C. Moderate Kc value D. None of these
2	The forward reaction takes place:	A. Right to left B. <b>Left to Right</b> C. Only to right D. Only to left
3	Guldberg and waage out forward law of mass action in:	A. 1889 B. 1879 C. <b>1869</b> D. 1859
4	The reactions in which products can recombine to form reactants is called.	A. Irreversible reactions B. <b>Reversible reactions</b> C. Direct reactions D. Indirect reactions
5	The % age of nitrogen and oxygen in our atmosphere is:	A. 80 B. 90 C. 95 D. <b>99</b>
6	In an irreversible reaction dynamic equilibrium:	A. <b>Never establishes</b> B. Established before the completion of reaction C. Establishes after the completion of reaction D. Establishes readily
7	The lives of aquatic plants and animals are indirectly related to concentration of dissolved --- in water:	A. hydrogen B. <b>oxygen</b> C. chlorine D. nitrogen
8	An equilibrium is achievable only in a:	A. big system B. small system C. open system D. <b>closed system</b>
9	The plant use	A. <b>Carbon di oxide</b> B. Oxygen C. Nitrogen D. Sulphur
10	The characteristics of reversible reactions are the following except:	A. <b>Products never recombine to form reactants.</b> B. They never complete C. The proced in both ways D. They have a double arrow between reactants and products.
11	The dynamic equilibrium in irreversible reaction.	A. <b>Never establishes</b> B. Establishes after completion of reaction C. Establishes before completion of reaction D. Establishes very soon
12	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. <b>The amount of products is negligible</b>
13	Active mass is expressed as:	A. { } B. <b>[ ]</b> C. ( ) D.
14	Such reactions which continue in both directions are called.	A. Irreversible B. <b>Reversible</b>

		C. Nonreactive D. Dynamic
15	In irreversible reaction, dynamic equilibrium:	A. Never establishes B. Establishes before the completion of reaction C. Establishes after the completion of reaction D. Establishes readily
16	Reaction which have comparable amount of reactants and products at equilibrium state have.	A. Very small K <sub>c</sub> value B. Very large K <sub>c</sub> value C. Moderate K <sub>c</sub> value D. None of these
17	In the beginning the rate of reverse reaction is	A. Negligible B. Moderate C. Very fast D. Slow
18	The unit of molar concentration is:	A. mol dm <sup>-3</sup> B. mol dm <sup>+3</sup> C. mol cm <sup>-3</sup> D. mol cm <sup>+3</sup>
19	A complete reaction is one is which.	A. All the reactants convert into products. B. All the reactants do not convert into products. C. Half reactants convert into products. D. Only 10% reactants convert into products.
20	A reverse reaction is that.	A. Which proceed from left to high B. In which reactants reacts to form products C. Which slow down gradually D. Which speed up gradually