

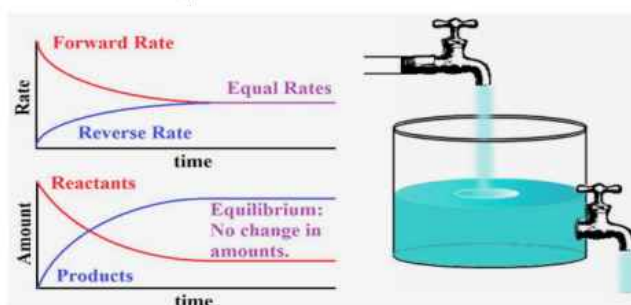
Chemical Equilibrium

For
B.Sc Chemistry(Part-I)
Physical Chemistry
Paper-IA
Lecture-01

By
Dr. Supriya kumari
Sher Shah College, Sasaram
V.K.S.U,Ara
supriyachemu@gmail.com

Chemical Equilibrium

- Chemical equilibrium is the state in which both reactants and products are present in concentrations which have no further tendency to change with time, so that there is no observable change in the properties of the system.
- Reversible chemical reaction
- No net change in the amounts of reactants and products occurs.
- Rate of forward reaction is equal to rate of backward reaction at equilibrium



Note: A reversible chemical reaction is one in which the products, as soon as they are formed, react to produce the original reactants.

Equilibrium Position

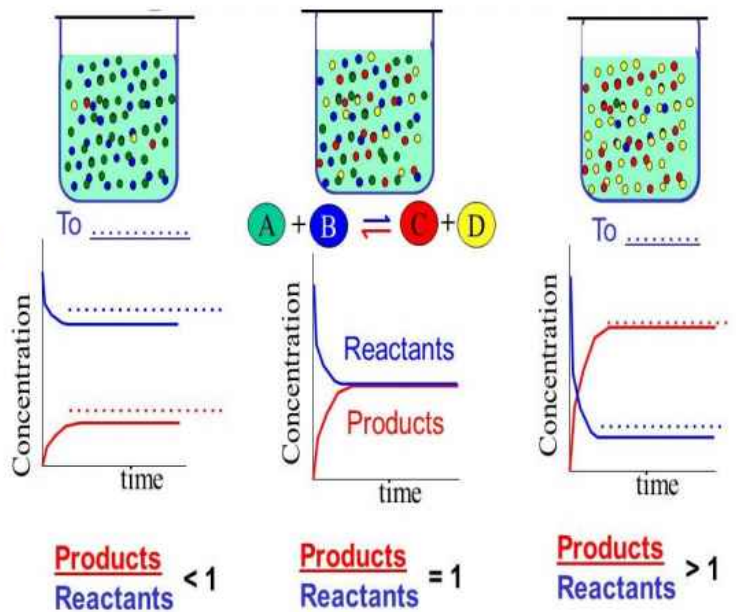
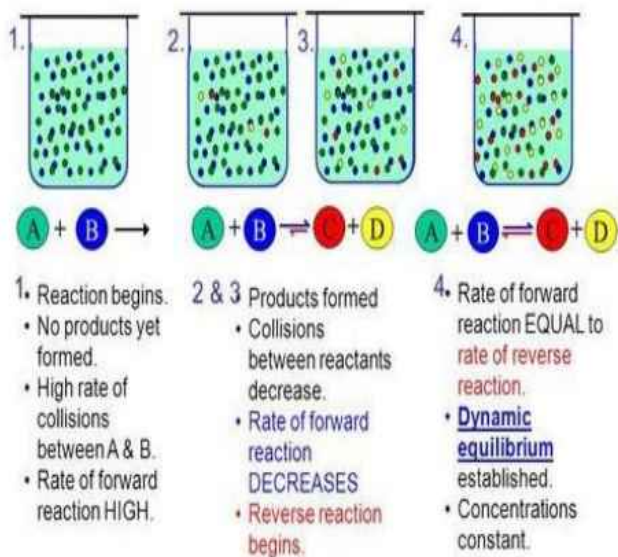


Fig:1 Chemical Equilibrium

Fig:2 Shift of Equilibrium Position