

Chemical Equilibrium

A state of dynamic balance where the rate of the forward reaction equals the rate of the reverse reaction

Dynamic

The reaction has not stopped

Le Chatelier's Principle

Reactions at equilibrium oppose applied stresses

The Haber Process

Industrial production of Ammonia. Ideal conditions for production are high pressure and low temperature. Industrially a temperature of 500°C and a pressure of 200 atmospheres is applied. An iron catalyst is used.

The Contact Process

Industrial production of Sulphur Trioxide. Ideal conditions for production are high pressure and low temperature. Industrially a temperature of 450°C and a pressure of just above atmospheric pressure is applied. Vanadium Pentoxide is used as a catalyst.

Equilibrium Constant (K_c)

