

Concepts and Formulas

1. Some chemical reactions can be thermodynamically unstable but kinetically stable such as conversion of diamond into graphite.
2. As the chemical reaction progress in forward direction, concentration of reactants decreases and concentration of products increases.
3. Catalyst does not chemically participate in a chemical reaction.
4. Catalyst does not effect the enthalpy of overall reaction since it alters the activation energy of reactants and products by same amount.
5. Catalyst provides an alternative pathway to a chemical reaction.
6. Catalyst does not alters Gibbs Free Energy of a chemical reaction.