



Both above reactions are heterogeneous catalytic reaction.

Heterogeneous Catalytic reaction is explained on the basis of Modern theory. It completes in following steps. (a) First step is diffusion of reactants on the surface of catalyst.

(b) Phenomena of ADSORPTION takes place on the surface of catalyst. As we know that adsorption is basically phenomena of attracting and retaining molecules on the surface of catalyst.

(c) Chemical reaction takes place on the surface of catalyst through intermediate formation.

(d) In further step DESORPTION takes place. As we know that desorption is phenomena of removing of adsorbed

substance on the surface of catalyst

(e) In last step diffusion of product from the surface of catalyst takes place.