

SURFACE CHEMISTRY

- (i) Differentiate physical and Chemical adsorption
- (ii) Why adsorption increases when solid is broken into pieces or changed into powder
- (iii) Derive equation for Langmuir adsorption isotherm
- (iv) Give applications of adsorption
- (v) Give Mechanism of Heterogeneous Catalyst with e.g. and diagram
- (vi) What are applications of enzymes? How they speed up the rate of reaction
- (vii) What are Zeolites
- (viii) What is catalytic poison and autocatalysis?

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