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3 February 2012 at the Wayback Machine) Chang 1967. Posey 1994, p. 118. NCERT, p. 28. Heitzman & Worden 1996, p. 97. Chouhan 1992, p. 7. Farooq 2002.... 103 KB (10,501 words) - 23:09, 11 March 2024

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Introduction

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NCERT Q.5.7
NCERT Q.5.8

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Introduction

Surface Chemistry

Features of Surface Chemistry

Adsorption

Adsorption:Example:Charcoal in Gas

Adsorption: Example: Organic Dye & Charcoal

Adsorption: Example: Silica gel

Adsorption

Desorption

Adsorption vs. Absorption

Sorption

Adsorption: Mechanism

Heat of Adsorption

Adsorption:Types

Physisorption & Chemisorption

Physisorption: Features

Chemisorption: Features

Adsorption:Isotherms

Freundlich Adsorption Isotherm

Adsorption from solution phase

Adsorption:Applications

Colloids

Colloids in day-to-life

Colloids:Classification Basis

Colloids:Classification : Physical State

Colloidal Sols:Classification

Lyophilic sols

Lyophobic sols

Colloids:Classification Basis

Multimolecular Colloids

Macromolecular colloids

Associated Colloids (Micelles)

Micelles Formation:Mechanism

Soap:Cleansing Action

Colloids Preparation

Colloids Preparation:Double Decomposition

Colloids Preparation:Oxidation- Reduction

Colloids Preparation:Hydrolysis

Colloids Preparation:Bredig's Arc method

Colloids Preparation:Peptization

Colloids:Purification

Colloids:Purification:Dialysis

Colloids:Purification:Electro-dialysis

Colloids:Purification:Ultrafiltration

Colloids :Properties
Colloids:Colligative Properties
Colloids:Tyndall Effect
Colloids:Colour
Colloids:Brownian Movement
Colloids:Charge on Colloidal Particles
Colloids:Electrophoresis
Colloids: Electroosmosis
Colloids:Coagulation or Precipitation
Coagulation of Lyophobic sols
Protective Colloids
Colloids Around Us
Colloids:Application

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Intro

Purification of colloids

Electro Dialysis

Ultrafiltration

2. Tyndall Effect

Brownian's Movement

Charge on colloids

Electrophoresis

Electroosmosis

Coagulation or flocculation or precipitation

Coagulating or Flocculating Value

Coagulation of Lyophilic Sols

Protection of Lyophobic Colloids

Gold number

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Absorption vs Adsorption

Definitions

Why adsorption occurs

Absorption

Adsorption vs Absorption

Examples of Absorption

Thermodynamics of Adsorption

Entropy Change

factors that affect adsorption

critical temperature

chemys option vs fizzy absorption

point by point explanation

friendly isotherm

plot

plot a graph

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Introduction

Mechanism of Adsorption

Types of Adsorption

Factors affecting extent of Adsorption

Adsorption Isotherm

Adsorption in Solutions

Application of Adsorption

Questions

Colloidal Solutions

Types of Colloidal Solutions

Classification based on the physical state of dispersed phase & dispersed medium

Classification based on the nature of interaction between dispersed phase & dispersed medium

Classification of colloids based on the type of particles of the dispersed phase

Mechanism of Micelle Formation

Preparation of Colloids

Purification of Colloidal Solutions

Properties of Colloidal Solutions

Colloids Around Us

Application of Colloids

Questions

Thank You

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Introduction

Classification

Formation

Ionic Missle

Condensation Methods

Dispersion Methods

Dialysis

ElectroDialysis

Color

Electrical Property

Preferential Adsorption

Double Layer

Electro Kinetic Potential

Electrophoresis

Electro Osmosis
Coagulation
Coagulation Power
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Types of adsorption
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Applications of adsorption
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Catalysis
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Adsorption theory of heterogeneous catalysis
Activity and selectivity
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Properties of colloidal solutions
Protection of colloids
Emulsions
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