

India's Number 1 Education App

CHEMISTRY

NCERT - NCERT CHEMISTRY(TELUGU)

SURFACE CHEMISTRY

Intext Questions

 Why are substances like platinum and palladium often used for carrying out electrolysis of aqueous solutions ?



3. Why are finely powdered substances more effective adsorbents than their non powdered crystal forms ?



4. Hydrogen used in Haber's process is obtained by reacting methane with steam in presence of NiO as catalyst . The process is known as steam reforming . Why is it necessary to remove CO formed in steam reforming when ammonia is obtained by Haber's process ?

5. Why is ester hydrolysis slow iin the beginning but is fast after sometime ?
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6. What is role of desorption in the process of

adsorption catalysis .



7. What modification can you suggest in the

Hardy-Schulze law?

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8. Why is it essential to wash the precipitate in

gravimetric chemical analysis with wash liquid

before drying and weighing it quantitatively?



1. Distinguish between adsorption and absorption. Give one example of each.

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2. What is difference between physisorption

and chemisorption ?

3. Why are finely powdered substances more effective adsorbents than their non powdered

crystal forms ?



4. What are the factors which influence the

adsorption of a gas on a solid ?



5. What is an adsorption isotherm ? Write the

equation of Freundlich adsorption isotherm.

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6. What do you understand by activation of

adsorbent? How is it achieved ?





10. Discuss the effect of pressure and temperature on the adsorption of gases on solids.

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11. What are lyophilic and lyophobic sols ? Give one example for each type.



12. What is the dlfferenee between

multmolecular and macromolecular colloids ?

Give one example for each.



13. What are enzymes ? Give examples ?

14. How are colloids classified on the basis of

(i) physical states of components

(ii) nature of dispersion medium and

(iii) interaction between dispersed phase and

dispersion medium ?

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15. Explain what is observed

(i) when a beam of light is passed through a

colloidal sol.

(ii) an electrolyte, NaCl is added to hydrated

ferric oxide sol.

(iii) electric current is passed through a colloidal sol ?
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16. What are emulsions? What are their different types? Give example of each type.

17. What is demulsification ? Name two

demulsifiers.

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18. Action of soap is due to emulsification and

micelle formation. Comment.

19. Give two examples for heterogeneous catalysis.Watch Video Solution

20. What do you mean by activity and

selectivity of catalyst ?



23. Explain the following terms:

(i) Electrophoresis



26. Explain the terms with suitable examples:

(i) Aerosol

(ii) Hydrosol.

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27. What is a colloid?