

India's Number 1 Education App

CHEMISTRY

BOOKS - PATHFINDER CHEMISTRY (BENGALI ENGLISH)

SURFACE CHEMISTRY

Question Bank

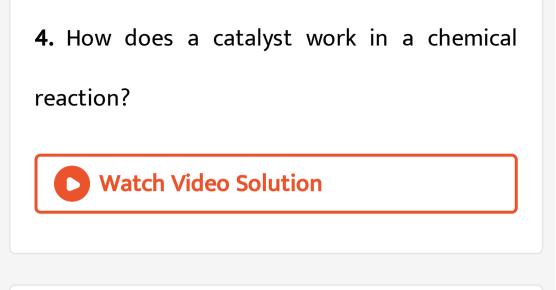
1. What is peptization?

2. Give one example each of negatively charged and positively charged sol.



3. Which will be adsorbed more readily on the

surface of charcoal , NH_3 or CO_2 ?

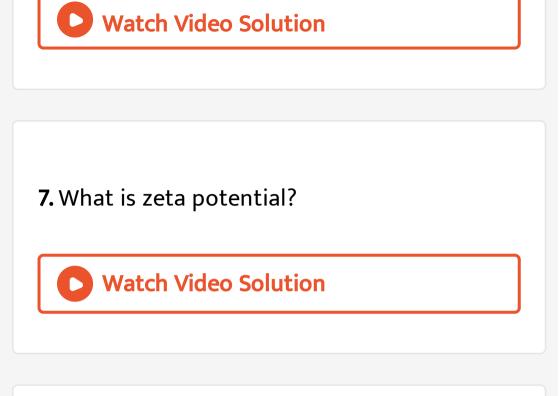


5. State an important use of electrodialysis in

human being.



6. What is collodion?



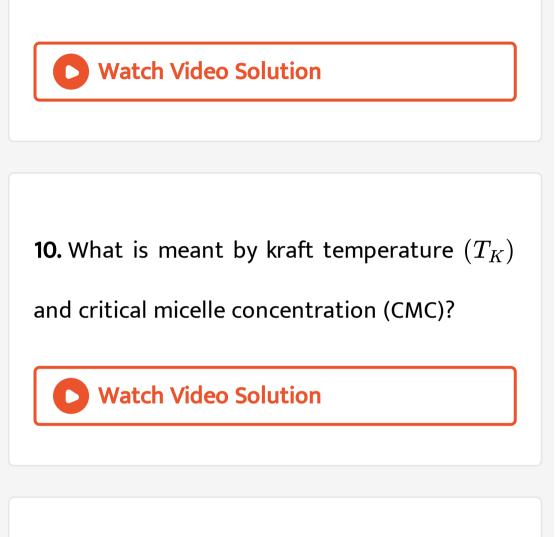
8. The conductance of an emulsion increase on

adding sodium chloride what type of emulsion

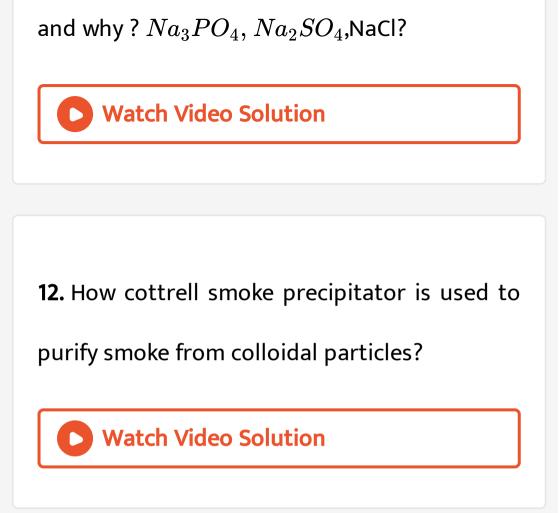
is it?



9. Why is gelatin added to ice cream?



11. Which of the following electrolyte is more effective for the coagulation of $Fe(OH)_3$ sol



13. What are catalytic promoters and catalytic

poisons?



14. Answer the following

Why silica gel is used as dehumidifier?

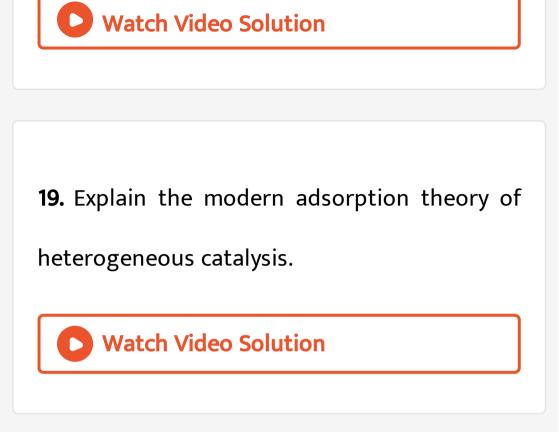


15. Answer the following

what is the significance of a gold number?

16. What do you understand by **F**mulsification Watch Video Solution 17. What do you understand by coagulation Watch Video Solution

18. What are shape selective catalysts?



20. How charge develops on colloidal particles

explain?

21. How do size of particles of adsorbent, pressure of gas and prevailing temperature influence the extent of adsorption of gas on a solid



22. What happens in the following activities

and why?

An electrolyte is added to a hydrated ferric

oxide sol in water.



23. What happens in the following activities and why?

A beam of light is passed through a colloidal solution

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24. What happens in the following activities and why?

an electric current is passed through a

colloidal solution



25. Explain the following a brief

sun looks red at the time of sunset

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26. Explain the following a brief

physisorption is multimolecular while

chemisorption is monomolecular

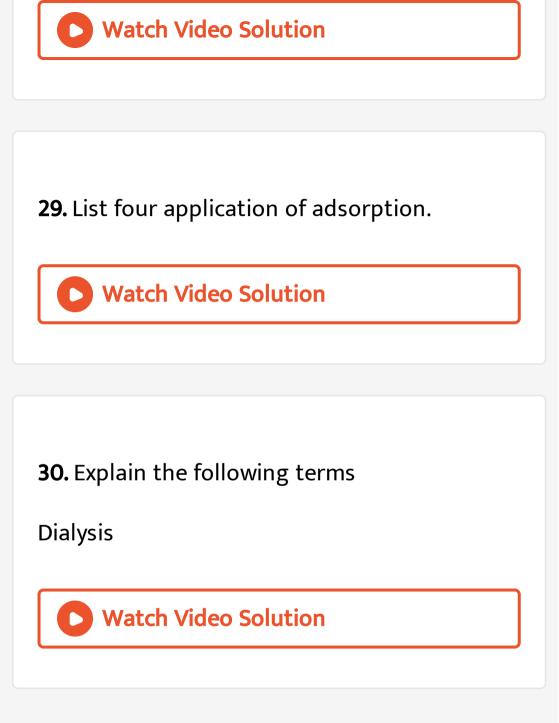


27. Explain the following a brief

Lyophilic sol is more stable than lyophobic sol

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28. How can a colloidal solution and true solution of the same colour be distinguished from each other?



31. Explain the following terms

ultrafiltration

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32. Explain the following terms

electrophoresis

33. Explain the following terms

hardy schulze rule

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34. Explain the following terms

freundlich adsorption isotherm

35. How are the following colloids different from each other in respect of dispersion medium and dispersed phase

aerosol

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36. How are the following colloids different from each other in respect of dispersion medium and dispersed phase hydrosol



37. How are the following colloids different from each other in respect of dispersion medium and dispersed phase

emulsion

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38. How are the following colloids different from each other in respect of dispersion

medium and dispersed phase

foam



39. How are the following colloids different from each other in respect of dispersion medium and dispersed phase

gel

40. Explain the theory of adsorption.

