



CHEMISTRY

NCERT - NCERT CHEMISTRY(GUJRATI)

SURFACE CHEMISTRY

Self Evaluation A Choose The Correct Answer

1. The migration of colloidal particles under the influence of an electric field is known as

A. electroosmosis

B. cataphoresis

C. electrodialysis

D. electrophoresis

Answer:



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2. Which one is the correct factor that explains the increase of rate of reaction by a catalyst

A. shape selectivity

B. particle size

C. increase of free energy

D. lowering of activation energy

Answer: lowering of activation energy



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3. Fog is a colloidal solution of

A. gas in liquid

B. liquid in gas

C. gas in solid

D. solid in gas

Answer:



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4. The phenomenon of Tyndall's effect is not observed in

A. emulsion

B. colloidal solution

C. true solution

D. None

Answer:



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5. The Tyndall's effect associated with colloidal particles is due to

A. presence of charge

B. scattering of light

C. absorption of light

D. reflection of light

Answer:



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6. In case of physical adsorption, there is desorption when

A. temperature increases

B. temperature decreases

C. pressure increases

D. concentration increases

Answer:



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7. Colloidal medicines are more effective because

A. they are clean

B. they are easy to prepare

C. the germs move towards, them

D. they are easily assimilated and adsorbed

Answer:



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8. Oil soluble dye is mixed with emulsion and emulsion remains colourless then, the emulsion is

A. O/W

B. W/O

C. O/O

D. W/W

Answer:



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9. For selective hydrogenation of alkynes into alkene the catalyst used is

A. Ni at $250^{\circ}C$

B. Pt at $25^{\circ}C$

C. Pd, partially inactivated by quinoline

D. Raney nickel

Answer:



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10. For chemisorption, which is wrong

A. irreversible

B. it requires activation energy

C. it forms multimolecular layers on adsorbate

D. surface compounds are formed

Answer:



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11. An emulsion is a colloidal solution of

A. two solids

B. two liquids

C. two gases

D. one solid and one liquid

Answer:



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