



KHAN GLOBAL STUDIES

The Most Trusted Learning Platform

LIVE CLASSES



BY - AVINASH ROY SIR

दोषात्स (colloids)

Solute

+

Solvent

=

Solution (दोषात्स)

①

असंतृप्त माध्यम → More Solute can be dissolved

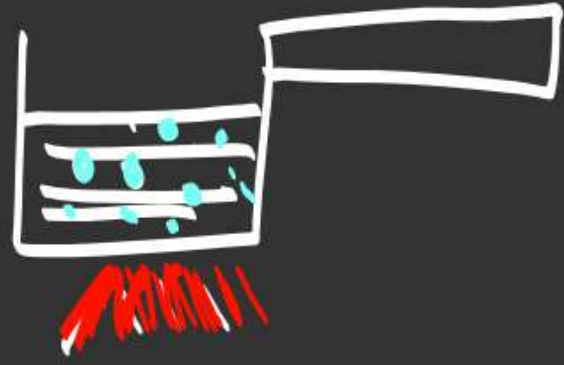
UnSaturated medium

अधिक Solute घुल सके।

②

संतृप्त माध्यम
Saturated Medium

= No more Solute can be dissolved
अधिक Solute वही मिजाज
जा सकता है।



ગરમ ઝાંઝા સોલ્યુટ દ્રવ્ય બને છે
on Heating

= અતિસંતૃપ્ત દ્રાવણ
Supersaturated Solution





Dispersed phase
 परिक्षिप्त
 अवस्था

Dispersion Medium
 परिक्षिप्त
 माध्यम

Colloids
 अमिश्रण

| D.P | D.M | colloid | eg |
|--------------|-------|-----------|--------------------------|
| Solid ठोस | Solid | Solid sol | gemstone milky glass. |



| Dispersed phase | Dispersion medium | Type of colloid | Example |
|-----------------|-------------------|-----------------|---------------------------------------|
| Solid | Solid | Solid sol | Some coloured glasses, and gem stones |
| Solid | Liquid | Sol | Paints, cell fluids |
| Solid | Gas | Aerosol | Smoke, dust |
| Liquid | Solid | Gel | Cheese butter, jellies |
| Liquid | Liquid | Emulsion | Milk, hair cream |
| Liquid | Gas | Aerosol | Fog, mist, cloud, insecticide sprays |
| Gas | Solid | Solid sol | Pumice stone, foam rubber |
| Gas | Liquid | Foam | Froth, whipped cream, soap-lather |

Types of Colloids

| | | | |
|---------------|-----------|------------|-------------|
| January | February | March | April |
| | | | |
| Garnet | Amethyst | Aquamarine | White Topaz |
| May | June | July | August |
| | | | |
| Green Onyx | Moonstone | Ruby | Peridot |
| September | October | November | December |
| | | | |
| Blue Sapphire | Opal | Citrine | Blue Topaz |



① $\text{Solid} + \text{Solid} = \text{Solid}$ (समिड सोल)
ठोस ठोस कामांड

gemstone, milky glass



② Sol + Liquid = Sol
212

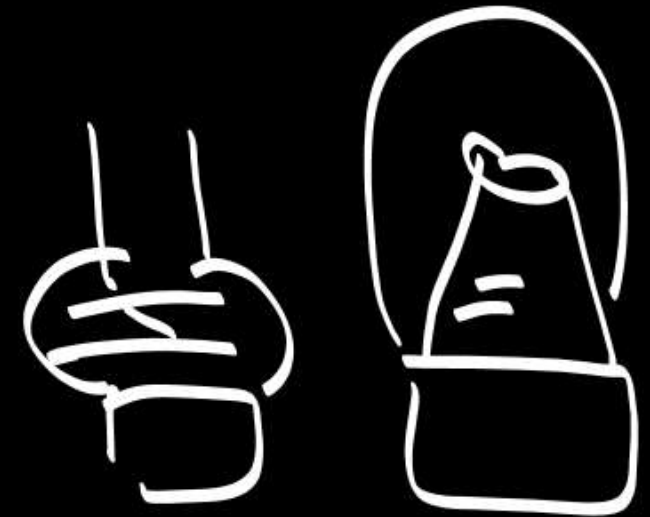
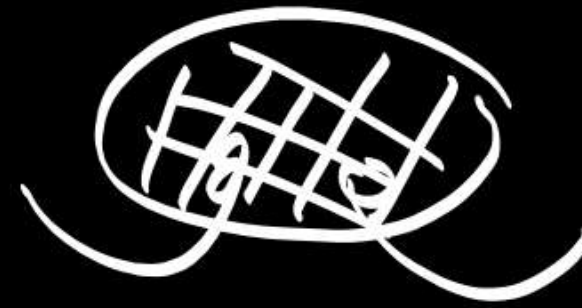
Eg - Paint
L Mud (मृत्)





③ Solid + Gas = Aerosol

Eg - Smoke (एरॉसॉल)





④ Liquid + Solid = Gel
(જા) (જા)

↳ Jelly, Butter, Cheese.



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WHICH FACE CREAM IS BEST?



⑤ Liquid + Liquid = Emulsion.
(द्वयमयन)

Eg → face Cream
Milk.



⑦ Gas + Solid = Solid Sol.

Eg - Rubber
L Foam





⑧ Gas + Liquid = Foam
(फोम)

Eg- foam, spray



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