ODM EDUCATIONAL GROUP

IS MATTER AROUND US PURE

SUBJECT-CHEMISTRY

CHAPTER-02

CHAPTER NAME-IS MATTER AROUND US PURE

Website: www.odmegroup.org
Email: info@odmps.org
Toll Free: 1800 120 2316
Sishu Vihar, Infocity Road, Patia, Bhubaneswar- 751024

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PROPERTIES OF SUSPENSION

- A SUSPENSION IS A HETEROGENOUS MIXTURE.
- THE SIZE OF PARTICLES OF SOLUTION HAVE DIAMETER MORE THAN 100 nm.
- PARTICLES OF SUSPENSION CAN BE SEEN BY NAKED EYES.
- THE PARTICLES CAN BE SEPARATED BY FILTRATION.
- THE PARTICLES OF SUSPENSION SCATTER LIGHT.
- THE SOLUTION IS UNSTABLE.
- EXAMPLE-MIXTURE OF CHALK POWDER AND WATER.

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PROPERTIES OF COLLOIDS

- A COLLOID IS A HETEROGENOUS MIXTURE.
- THE SIZE OF PARTICLES OF COLLOIDS HAVING DIAMETER IN BETWEEN 1 nm and 100 nm.
- PARTICLES OF COLLOIDAL SOLUTION CAN BE SEEN BY MICROSCOPE.
- THE PARTICLES CANNOT BE SEPARATED BY FILTRATION.
- THE PARTICLES OF COLLOIDAL SOLUTION CAN SCATTER LIGHT.
- THE COLLOIDAL SOLUTION IS LESS STABLE THAN SOLUTION.
- EXAMPLE-BLOOD

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TYPES OF COLLOIDAL SOLUTION

Dispersed Phase	Dispersing Medium	Type	Example
Liquid	Gas	Aerosol	Fog, clouds, mist
Solid	Gas	Aerosol	Smoke, automobile exhaust
Gas	Liquid	Foam	Shaving cream
Liquid	Liquid	Emulsion	Milk, face cream
Solid	Liquid	Solution	Milk of magnesia, mud
Gas	Solid	Foam	Sponge, pumice
Liquid	Solid	Gel	Jelly, cheese, butter
Solid	Solid	Solid sol	Coloured gemstone, milky glass

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DIFFERENCE BETWEEN SUSPENSION AND COLLOIDS

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HOME ASSIGNMENT

Exercise I Q12 to Q23

1) Name the type of colloid in the following. Mention the dispersed medium and dispersed phase in milk and gemstone

2) What are Tyndall effects? Write its two applications

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THANKING YOU

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