

Colloidal state

Colloidal solutions are intermediate between true solutions and suspensions. The size of the colloidal particles range from 1 to 1000 nm. A colloidal particle system consists of two phases —

- (i) Dispersed phase
- (ii) Dispersion medium.

(i) Dispersed phase — It is the component present in small proportion and consists of particles of dimensions (1-1000 nm).

(ii) Dispersion medium — The medium in which colloidal particles are dispersed is called dispersion medium.

For example, in a colloidal solution of sulphur in water, sulphur particles constitutes dispersed phase and water constitutes dispersion medium.

Colloids are sometimes given specific names depending upon the nature of dispersion medium.

example —

<u>Dispersion medium</u>	<u>Name of colloids</u>
water	Hydrosoils or Aquasols
Alcohol	Alcosols Alcosols
Benzene	Benzosols
Gases	Aerosols