





TRUE SOLUTIONS, SUSPENSIONS & COLLOIDS

TRUE SOLUTION	COLLOID	SUSPENSION
Transparent in appearance	Translucent in appearance	Opaque in appearance
Homogeneous	Heterogeneous	Heterogeneous
Size of solute particles is less than 1 nm or 10^{-9} m	Size of solute particles is between 1 nm to 1000 nm	Size of solute particles is more than 1000 nm
Particles are not visible to naked eye.	Particles are not visible to naked eye.	Particles are big enough to be seen with naked eye
Particles pass through filter paper	Particles can pass through filter paper	Particles cannot pass thorough filter paper
Stable	Stable and settle only on centrifugation	Unstable and settle down on its own.
Does not show Tyndall effect	Shows Tyndall effect	May Show Tyndall effect
Examples: Sugar dissolved in water  Copper sulphate dissolved in water 	Examples: Milk  Particles of a colloid dispersed in air. 	Examples: Chalk & water 