

Answer on Question #41132, Chemistry, Physical Chemistry

Question

Example of lyophilic colloid is

Fe(OH)₃ sol

gelatine sol

gold sol

Ag sol

Answer

Lyophilic property of a substance is the property of having stronger interaction of substance and solvent than that of substance to itself. In other words, lyophilic colloid will dissolve completely if a great excess of solvent is added. For water solvent, **gelatine sol** is the only one of four that exhibit this property. For other solvent the other answer might be true, since interactions are different with different solvents.