



كلية : التربية للعلوم الصرفة

القسم او الفرع : علوم الحياة

المرحلة: الاولى

أستاذ المادة : د.أسراء عبد الكريم معروف العاني

اسم المادة باللغة العربية : كيمياء تحليلية

اسم المادة باللغة الإنكليزية : Analytical Chemistry

اسم المحاضرة الاولى باللغة العربية: التركيب الكيميائي للمحاليل

اسم المحاضرة الأولى باللغة الإنكليزية : *The Chemical Composition of Solutions*

The Chemical Composition of Solutions

Both aqueous and organic solvents find widespread use in chemical analysis. Nonpolar solvents, such as hydrocarbons and halogenated hydrocarbons, are employed when the analyte itself is nonpolar. Organic solvents, such as alcohols, ketones, and ethers, which are intermediate in polarity and which form

hydrogen bonds with solutes, are considerably more useful than their less polar counterparts because they dissolve a larger variety of both organic and inorganic species.

- Aqueous solvents, including solutions of the common inorganic acids and bases, are perhaps the most widely used of all for analytical purposes.

Our discussion will therefore focus on the behavior of solutes in water: reactions in non aqueous polar media will be considered in less detail.