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Chemical Education from Data collection to Systems-Thinking

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Man is made up of material. Man consumes material, eliminates material, uses material for his comforts and well-being, makes alternate materials to suit his life style from time to time, creates waste materials indiscriminately and so on and so forth. This is the man- material saga. The fundamental scientific aspect of material is its composition, structure and properties. The essence of Chemistry is the study of these characteristics of materials. Besides, chemistry also deals with the perturbation aspects in the mass and energy parts of the materials [1]. Perturbation in mass of the material gives new products. Perturbation in the energy is useful in designing new techniques for quality control. Thus chemistry has a distinct bearing on the man's different activities and requirements.