

Systemic Approach in teaching General Chemistry in first year of Secondary School

Hassan A. Albar¹ and Ammen F. Fahmy²

¹King Abdulaziz University, Chem. Dept., POBox 80203, Jeddah21589, Saudi Arabia,

Email: Halbar@kau.edu.sa and ²Ain Sahms University, Chem. Dept., Cairo, Eyg

New method in learning and teaching chemistry in the first year of secondary school called systemic methodology. This method strategy concentrates in linking most different aspects, in chemistry, in one bottle. These linking aspects can learn and teaching in very simple way and also, in sort time. For example, we can learn and/or teaching the relationship between :

A: (1) Atomic theory (2) calculation in chemistry (3) properties of elements

B: (1) Mix of material (2) Compounds (3) Molecules (4) Atoms

C: (1) Covalent bond (2) sigma and bi polar covalent bond (3) Ionic bond

D: (1) Quantum number (2) Electronic configuration (3) properties of elements

And link A, B, C and D by using the systemic view .

Moreover, by using the systemic methodology, it can link the above four linking topics with the physical and chemical properties of the first and second groups in the periodic table. All these linking will be presenting in the conference as systemic diagrams for showing how can apply this new SALT methodology in learning and teaching chemistry in the secondary level.