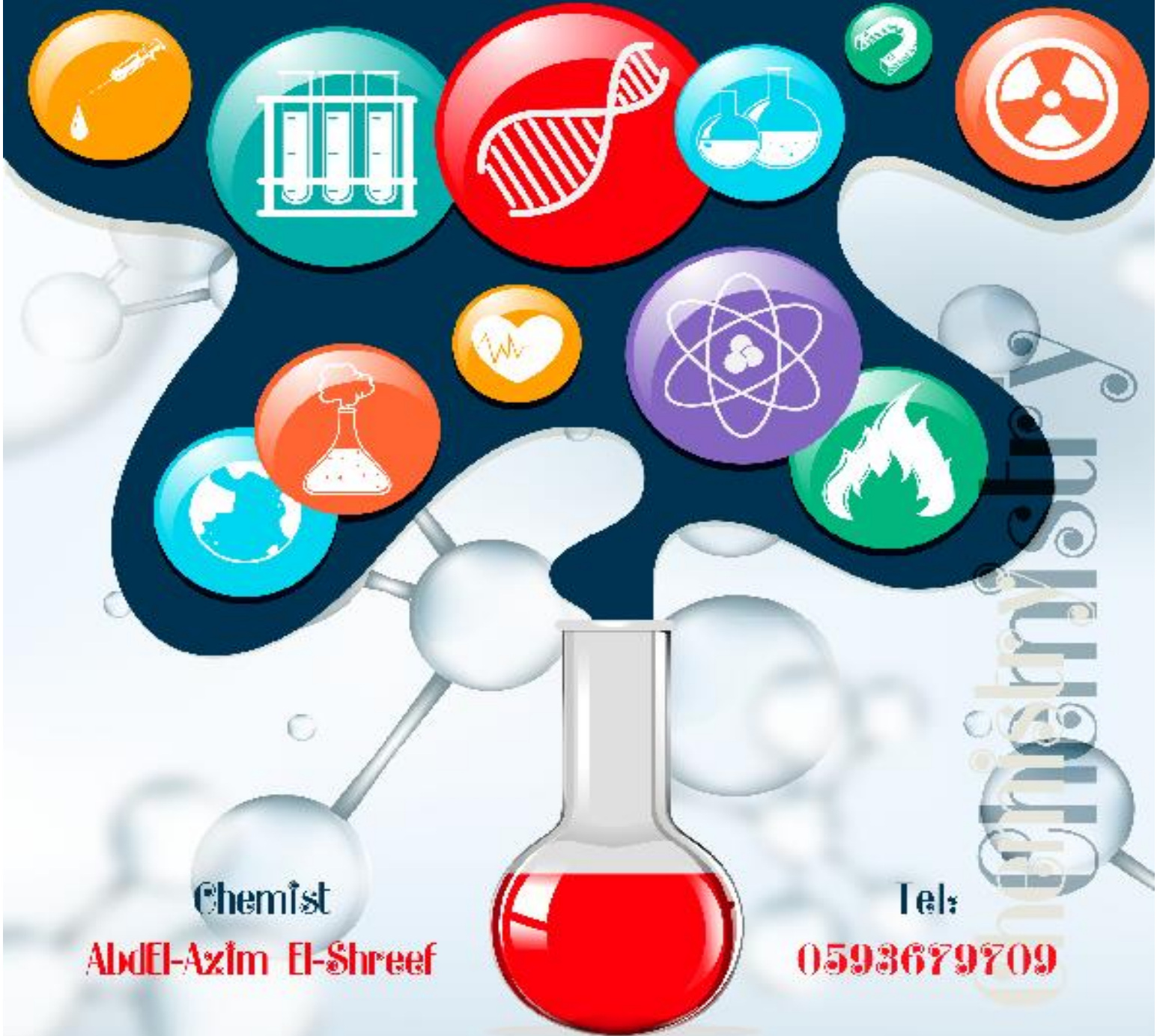


Chemistry (101)

الفلاصه

الزبده



Chemist

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Chapter 1

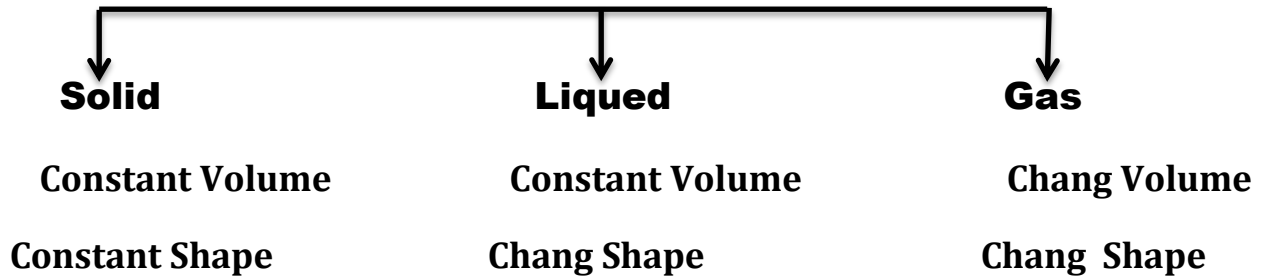
(Introduction)

(Introduction)

Chemistry : is the study of matter and the changes it under goes

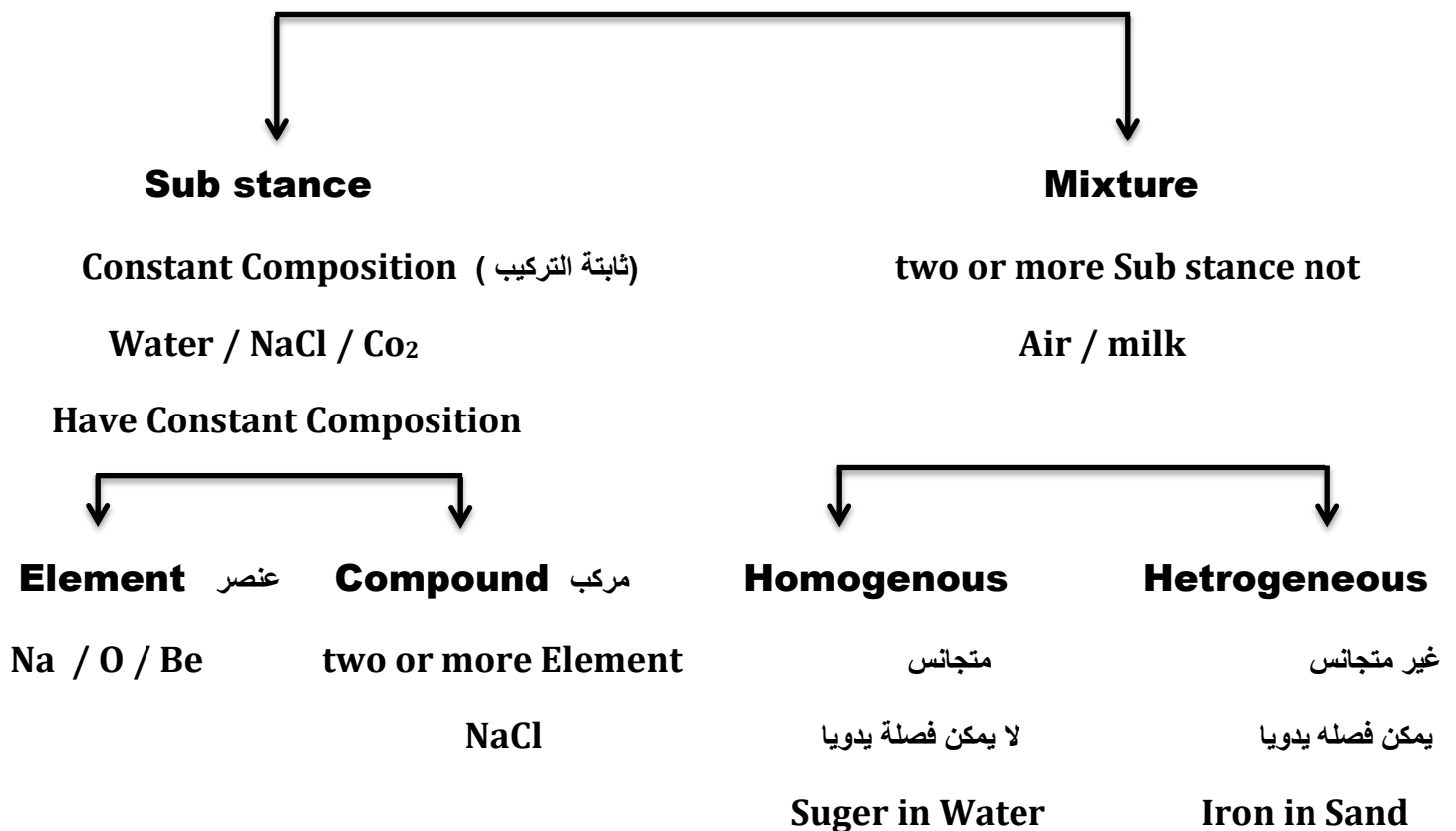
Classification Of matter تصنيف المادة

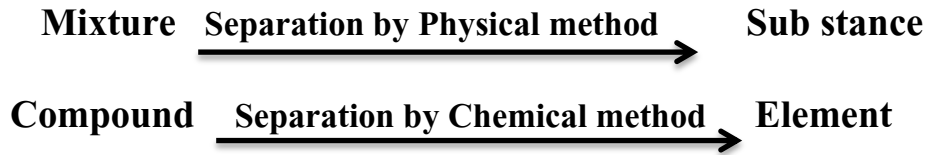
Classification Of matter تصنيف المادة تبعا لترابط جزيئاتها



Matter : is anything that occupies space and has and has mass .

Matter تصنيف المادة تبعا لمكوناتها





Elements : is substance that cannot be separated in to simpler substance by chemical means

Compounds : A substance composed of atoms of two or more elements united in fixed proportions unlike mixtures substance retain their distinct identities

A mixture : is composition of two or more substance in which the substances retain their distinct identities ex . air , drink

Homogenous mixture : in which the composition of mixtures is the same throughout .

Heterogenous mixture : because the composition is not uniform

1.2) Physical and Chemical Changes .

• Physical Changes .

Example. Melting , Freezing , boiling , Color , Amount , odor (الرائحة) , Temperature , Solubility, Conductivity , Cracking (التكسير) , Cutting (القطع)

انتقال المادة من حالة الى حالة اخرى حيث بقيت المكونات المادة كماهي وهي جزيئات المادة والذي حدث هو تغير في المسافات بين الجزيئات وبعضها البعض فقط

• Chemical Changes .

Example. Burning , Rusting (الصدأ) , Combustion , decay , Rot (التعفن) , Digesting , exploding (الانفجار)