

University of Al-Mustaqbal
College of Engineering and
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Organic Chemistry

(Tutorial -1-)

Problems:

1) Discuss the difference of the electronegativity and the electroposativity of K, Ag, and I

Group 1A																							8A
H	2A																	3A	4A	5A	6A	7A	He
Li	Be																	B	C	N	O	F	Ne
Na	Mg																	Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr						
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe						
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn						
Fr	Ra	Ac																					

2) Using energy levels, explain how covalent bonds are formed for the following compounds:

- LiCl - Lithium Chloride.
- LiBr - Lithium Bromide.
- LiI - Lithium Iodide.
- NaF - Sodium Fluoride.
- NaCl - Sodium Chloride.
- NaBr - Sodium Bromide.
- NaI - Sodium Iodide.

3) Compare between ionic bond and covalent bond