Oxidation Numbers and Ions for Different Groups in the Periodic Table

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I	II											III	IV	V	VI	VII	VIII
+1	+2		Transition Elements														
																	He
Li													C	N	O	F	Ne
Na	Mg											Al	Si				
	Ca	Sc					Fe			Cu	Zn						
										Ag							
											Hg						

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M^{+1} M^{+2} <-------M^{+2} (All form M^{+2}, also M^{+3} or M^{+1}) ----------> M^{+3} C and Si Do not form ions Sn and Pb +2 and +4 X^{-3} Bi^{+3} X^{-2} X^{-1} No Ions formed

<u>Examples</u>

Li^{+1} Mg^{+2} Fe^{+2}, Fe^{+3}, Cu^{+2} or Cu^{+1}, Hg^{+1} or Hg^{+2} Ag^{+1} Zn^{+2} Al^{+3} Sn^{+2}, Sn^{+4} Pb^{+2}, Pb^{+4} O^{-2} S^{-2} F^{-1} Cl^{-1}