Name:		
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Factors Affecting Ionization Energy

1.	Atoms tend toloose or gainelectrons according to their position				
	in the periodic table				
2.	Electropositive elements tend tolooseto formcations				
3.	Electronegative elements tend to to formanions				
4.	Metals are electropositive in nature; non-metals areelectronegative				
5.	Electropositive elements are found on theleft side of the periodic table.				
6.	Electropositive elements are found on theright side of the periodic table.				
7.	Elements located along the staircase are classed asmetalloids				
8.	Position within a period: Ionization energyincreases (left to right)across a period.				
9.	Position within a group: Ionization energydecreases down a group.				
10.	Pairing of electrons: It isharder to remove electrons with a partner because				
	due to greater stability				
11.	. Half-filled sublevels: it isharder to remove an electron from a half-filled sublevels.				
	N, P) because half- filled configuration adds stability				
	Ionization energy is highest in the elementF because of the greatest ENC, strongest				
	force of attraction between the nucleus and outmost electrons and lowest in				
	Fr because of the greatest number of energy levels , weakeest force of attraction				
	between the nucleus and outmost electrons				
	Electron affinity is highest in the elementF because because of				
	the greatest ENC, strongest force of attraction between the nucleus and outmost electrons and lowest in				
	Fr because of the greatest number of energy levels , weakeest force of attraction				
	hetween the nucleus and outmost electrons				