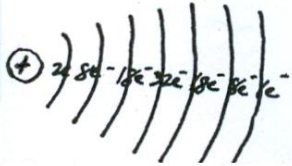


Aim: What are the Periodic trends? (Part2)



EN: 0.7
IE: 393 kJ/mole



"King of Metals"
Losers

LOWER ionization energy,
HIGHER tendency to LOSE electrons



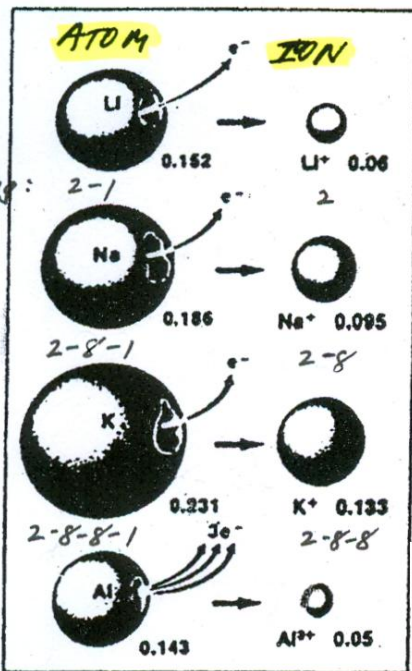
EN: 4.0
IE: 1681 kJ/mole



"King of Nonmetals"
Gainers

HIGHER electronegativity,
HIGHER tendency to GAIN electrons

METALS

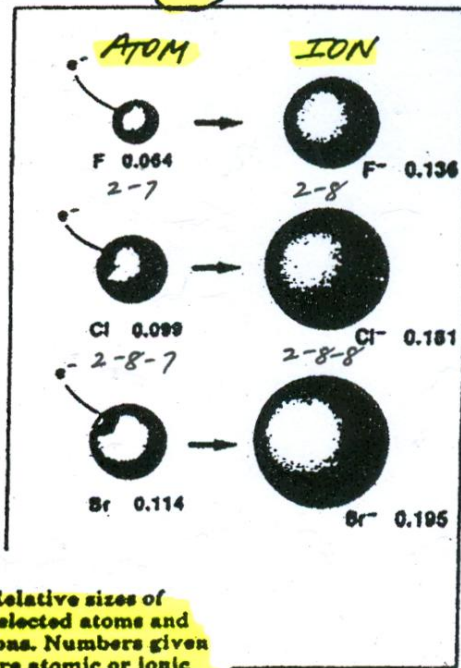


e- config:

Metals are "Losers."

They lose e- in chem. rxns.

opposite
NONMETALS



Relative sizes of selected atoms and ions. Numbers given are atomic or ionic radii in nanometers.

Nonmetal are "Gainers."
They gain e- in chem rxns

Metals are BIG atoms that LOSE e- to form (+) ions that are SMALLER in size

	METALS	vs.	NONMETALS
AR	BIGGER		SMALLER
EN	} LOWER		} HIGHER
IE			
IONS	SMALLER		BIGGER