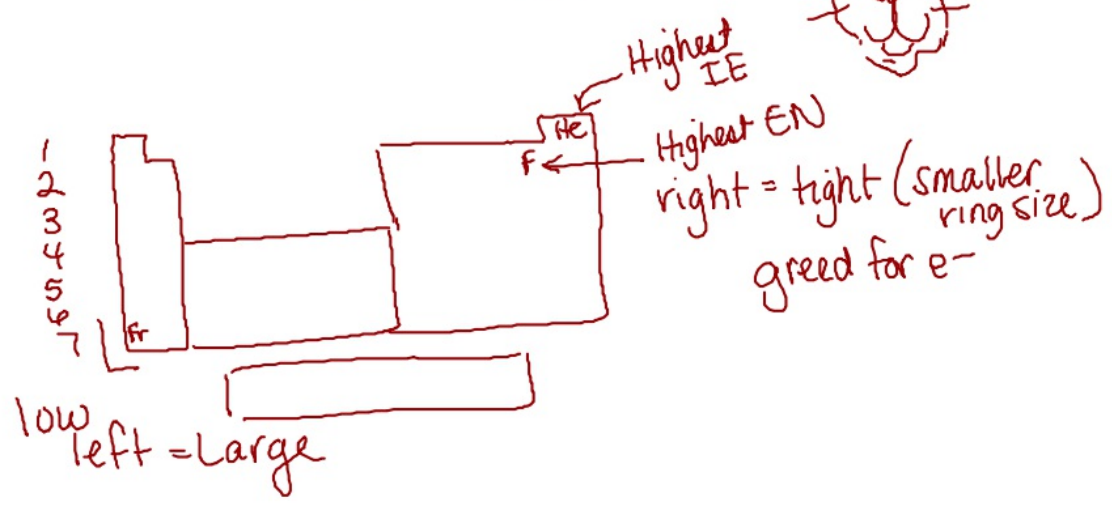


	IA 1	IIA 2	B	IIIA 13	IVA 14	VA 15	VIA 16	VIIA 17	VIIIA 18
Valence e ⁻	1 val ⁻	2	2	3	4	5	6	7	8
Charge	1+	2+	vary	3+	4+	3-	2-	1-	☺
bonding	1	2	vary	3	4	3	2	1	none
Lewis Dot	X·	·X·		·X·	·X·	·X·	·X·	·X·	X: He
Shape	1 bond no shape	linear	trigonal planar	tetra- hedral	pyra- midal	bent	no shape		
bond ∠		180°	120°	109.5°	107°	105°			



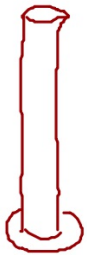


Erlenmeyer

AA add acid



Florence
(Aunt Flo had
a round bottom)



graduated
cylinders



beaker