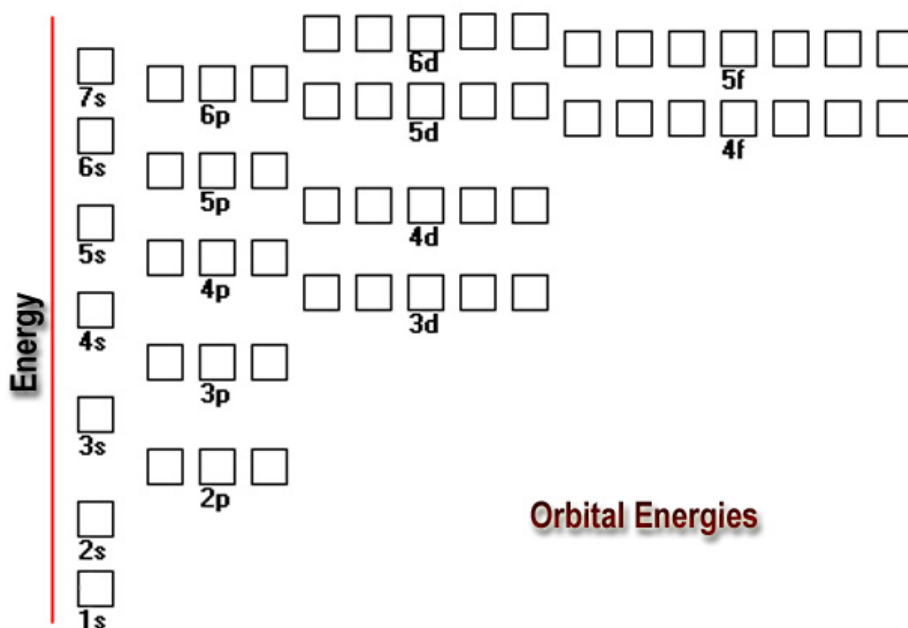


Element	# Electrons	Electronic Configuration	Valence Configuration	# Valence Electrons
H	_____	_____	_____	_____
He	_____	_____	_____	_____
Li	_____	_____	_____	_____
Be	_____	_____	_____	_____
B	_____	_____	_____	_____
C	_____	_____	_____	_____
N	_____	_____	_____	_____
O	_____	_____	_____	_____
F	_____	_____	_____	_____
Ne	_____	_____	_____	_____
Na	_____	_____	_____	_____
Mg	_____	_____	_____	_____
Al	_____	_____	_____	_____
Si	_____	_____	_____	_____
P	_____	_____	_____	_____
S	_____	_____	_____	_____
Cl	_____	_____	_____	_____
Ar	_____	_____	_____	_____



Orbital Energies

Element	# Electrons	Electronic Configuration	Valence Configuration	# Valence Electrons
Gp 2A				
Be	4	[He]2s ²	[He]2s ²	2
Mg	12	[Ne]3s ²	[Ne]3s ²	2
Ca	20	[Ar]4s ²	[Ar]4s ²	2
Sr	38	[Kr]5s ²	[Kr]5s ²	2
Gp 6A				
O	8	[He]2s ² 2p ⁴	[He]2s ² 2p ⁴	6
S	16	[Ne]3s ² 3p ⁴	[Ne]3s ² 3p ⁴	6
Se	34	[Ar]4s ² 3d ¹⁰ 4p ⁴	[Ar]4s ² 3d ¹⁰ 4p ⁴	6
Te	52	[Kr]5s ² 4d ¹⁰ 5p ⁴	[Kr]5s ² 4d ¹⁰ 5p ⁴	6
Gp 8A				
He	2	1s ²	1s ²	2
Ne	10	[He]2s ² 2p ⁶	[He]2s ² 2p ⁶	8
Ar	18	[Ne]3s ² 3p ⁶	[Ne]3s ² 3p ⁶	8
Kr	36	[Ar]4s ² 3d ¹⁰ 4p ⁶	[Ar]4s ² 3d ¹⁰ 4p ⁶	8
Xe	54	[Kr]5s ² 4d ¹⁰ 5p ⁶	[Kr]5s ² 4d ¹⁰ 5p ⁶	8
Rn	86	[Xe]6s ² 5d ¹⁰ 4f ¹⁴ 6p ⁶	[Xe]6s ² 5d ¹⁰ 4f ¹⁴ 6p ⁶	8