

∞	Noble Gases
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Alkali Metals	1
Alkaline Earth Metals	2

Lanthanides

Key:

Element Representation:

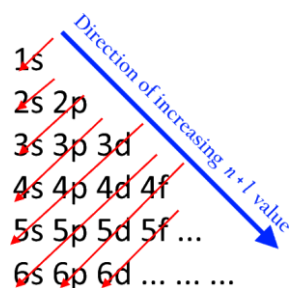
1	A	N
Chemical Symbol		
Element Name		
2	Z	M
3		4

- 1 Simple Substance Bonding (Symbols are: **MT**, Metallic; **GC**, Giant Covalent; **MC**, Molecular Covalent; **A**, Single Atom)
- N Neutron Number
- A Mass Number (If bracketed, element is radioactive)
- Z Atomic/Proton Number
- 2 Ionic Charge
- 3 Natural Occurrence (Symbols are: **P**, Primordial; **F**, From Decay; **S**, Synthetic)
- M Ferromagnetic (If symbol present)
- 4 State of Matter/Phase at Standard Temperature and Pressure (Symbols are: ●, Solid; ●, Liquid; ●, Gas)

Block Representation:

s p d f

Electron Shell Filling Order:



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Sources:

- Simple Substance Bonding, 1 ^{[8] [9] [10] [11] [12] [13] [14]}
- Neutron Number, N ^{[2] [3] [4] [5] [6] [7]}
- Mass Number, A ^{[1] [4] [3] [5] [7] [23] [24]}
- Chemical Symbol ^{[1] [3] [4] [5] [7] [23] [24]}
- Element Name ^{[1] [3] [5] [7] [23] [24]}
- Atomic/Proton Number, Z ^{[1] [3] [4] [5] [7] [23] [24]}
- Ionic Charge, 2 ^{[5] [15] [16] [17]}
- Natural Occurrence, 3 ^{[4] [6] [8] [18] [19] [20]}
- Ferromagnetic, M ^{[5] [21] [22]}
- State of Matter/Phase at Standard Temperature and Pressure, 4 ^[24]
- Groups ^{[7] [20] [23]}
- Electron Configuration Blocks ^{[20] [23] [24]}