

SCIENCE

Periodic Table of Elements



PROTONS = ATOMIC #
 ELECTRONS = PROTONS
 ATOMIC MASS = PROTONS + NEUTRONS
 NEUTRONS = A.MASS - PROTONS

I A		II A		III A		IV A		V A		VI A		VII A		VIII A			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
IUPAC Recommendation		Chemical Abstract Service		Atomic Number		Atomic Weight		Symbol		Element Name		Electron Configuration					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H	He	Li	Be	B	C	N	O	F	Ne	Na	Mg	Al	Si	P	S	Cl	Ar
1.00794	4.002602	6.941	9.0122	10.811	12.011	14.007	15.999	18.998	20.180	22.989769	24.305	26.981538	28.0855	30.973762	32.065	35.453	39.948
Hydrogen	Helium	Lithium	Beryllium	Boron	Carbon	Nitrogen	Oxygen	Fluorine	Neon	Sodium	Magnesium	Aluminum	Silicon	Phosphorus	Sulfur	Chlorine	Argon
[1s ¹]	[1s ²]	[1s ² 2s ¹]	[1s ² 2s ²]	[1s ² 2s ² 2p ¹]	[1s ² 2s ² 2p ²]	[1s ² 2s ² 2p ³]	[1s ² 2s ² 2p ⁴]	[1s ² 2s ² 2p ⁵]	[1s ² 2s ² 2p ⁶]	[1s ² 3s ¹]	[1s ² 3s ²]	[1s ² 3s ² 3p ¹]	[1s ² 3s ² 3p ²]	[1s ² 3s ² 3p ³]	[1s ² 3s ² 3p ⁴]	[1s ² 3s ² 3p ⁵]	[1s ² 3s ² 3p ⁶]
[1s ¹]	[1s ²]	[1s ² 2s ¹]	[1s ² 2s ²]	[1s ² 2s ² 2p ¹]	[1s ² 2s ² 2p ²]	[1s ² 2s ² 2p ³]	[1s ² 2s ² 2p ⁴]	[1s ² 2s ² 2p ⁵]	[1s ² 2s ² 2p ⁶]	[1s ² 3s ¹]	[1s ² 3s ²]	[1s ² 3s ² 3p ¹]	[1s ² 3s ² 3p ²]	[1s ² 3s ² 3p ³]	[1s ² 3s ² 3p ⁴]	[1s ² 3s ² 3p ⁵]	[1s ² 3s ² 3p ⁶]
[1s ¹]	[1s ²]	[1s ² 2s ¹]	[1s ² 2s ²]	[1s ² 2s ² 2p ¹]	[1s ² 2s ² 2p ²]	[1s ² 2s ² 2p ³]	[1s ² 2s ² 2p ⁴]	[1s ² 2s ² 2p ⁵]	[1s ² 2s ² 2p ⁶]	[1s ² 3s ¹]	[1s ² 3s ²]	[1s ² 3s ² 3p ¹]	[1s ² 3s ² 3p ²]	[1s ² 3s ² 3p ³]	[1s ² 3s ² 3p ⁴]	[1s ² 3s ² 3p ⁵]	[1s ² 3s ² 3p ⁶]

- X Outline - Synthetically Prepared
- Gasous
- Liquid at room temperature
- Solid
- All isotopes radioactive
- Weight of longest-lived isotope