

# Valency of First 20 Elements

Element Name	Symbol	Atomic Number	Electronic Configuration	Lose/gain/share Electrons	Valency
Hydrogen	H	1	1	Lose or share 1 Electron	1
Helium	He	2	2	Stable as per Duplet rule	0
Lithium	Li	3	2,1	Lose 1 Electrons	1
Beryllium	Be	4	2,2	Lose 2 Electrons	2
Boron	B	5	2,3	Lose 3 Electrons	3
Carbon	C	6	2,4	Share 4 Electrons	4
Nitrogen	N	7	2,5	Gain or share 3 Electrons	3
Oxygen	O	8	2,6	Gain or share 2 Electrons	2
Fluorine	F	9	2,7	Gain or share 1 Electrons	1
Neon	Ne	10	2,8	Stable as per Octet rule	0
Sodium	Na	11	2,8,1	Lose 1 Electrons	1
Magnesium	Mg	12	2,8,2	Lose 2 Electrons	2
Aluminum	Al	13	2,8,3	Lose 3 Electrons	3
Silicon	Si	14	2,8,4	Share 4 Electrons	4
Phosphorous	P	15	2,8,5	Gain or share 3 Electrons	3
Sulfur	S	16	2,8,6	Gain or share 2 Electrons	2
Chlorine	Cl	17	2,8,7	Gain or share 1 Electrons	1
Argon	Ar	18	2,8,8	Stable as per Octet rule	0
Potassium	K	19	2,8,8,1	Lose 1 Electrons	1
Calcium	Ca	20	2,8,8,2	Lose 2 Electrons	2

# Valency And Molecular Structure

**VM Jensen**



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