

Ionisierungsenergien in Elektronenvolt (eV, 1 eV = 95.8 kJ/mol)

Nr.	Symbol	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20 abgespaltenes Elektron	
1	H	13.6																			Elektronenzahl	= 1
2	He	24.6	54.4																			= 2
3	Li	5.4	75.6	122.5																		1 + 2 = 3
4	Be	9.3	18.2	153.9	217.7																	2 + 2 = 4
5	B	8.3	25.2	37.9	259.4	340.2																3 + 2 = 5
6	C	11.3	24.4	47.9	64.5	392.1	490.0															4 + 2 = 6
7	N	14.5	29.6	47.5	77.5	97.9	552.1	667.0														5 + 2 = 7
8	O	13.6	35.1	54.9	77.4	113.9	138.1	739.3	871.4													6 + 2 = 8
9	F	17.4	35.0	62.7	87.1	114.2	157.2	185.2	953.7	1103.1												7 + 2 = 9
10	Ne	21.6	41.0	63.5	97.1	126.2	157.9	207.3	239.0	1195.8	1362.2											8 + 2 = 10
11	Na	5.1	47.3	71.6	98.9	138.4	172.2	208.5	264.2	299.9	1465.1	1648.7										1 + 8 + 2 = 11
12	Mg	7.6	15.0	80.1	109.2	141.3	186.5	224.9	265.9	328.0	367.5	1761.8	1962.6									2 + 8 + 2 = 12
13	Al	6.0	18.8	28.4	120.0	153.7	190.5	241.4	284.6	330.2	398.6	442.1	2085.9	2304.0								3 + 8 + 2 = 13
14	Si	8.1	16.3	33.5	45.1	166.8	205.0	246.5	303.2	351.2	404.4	476.1	523.5	2437.7	2673.1							4 + 8 + 2 = 14
15	P	10.5	19.7	30.2	51.4	65.0	220.4	263.2	309.4	371.7	424.5	479.6	560.4	611.9	2816.9	3069.9						5 + 8 + 2 = 15
16	S	10.4	23.3	34.8	47.3	72.7	88.0	280.9	328.2	379.1	447.1	504.8	564.6	651.6	707.1	3223.8	3494.0					6 + 8 + 2 = 16
17	Cl	13.0	23.8	39.6	53.5	67.8	97.0	114.2	348.3	400.1	455.6	529.3	592.0	656.7	749.7	809.4	3658.4	3946.3				7 + 8 + 2 = 17
18	Ar	15.8	27.6	40.9	59.8	75.0	91.0	124.3	143.5	422.4	478.7	539.0	618.2	686.0	755.7	854.8	918	4120.8	4426.2			8 + 8 + 2 = 18
19	K	4.3	31.6	45.7	60.9	82.7	100.0	117.6	154.9	175.8	503.4	564.1	629.1	714.0	787.1	861.8	968	1034	4611.0	4934.0		1 + 8 + 8 + 2 = 19
20	Ca	6.1	11.9	50.9	67.1	84.4	108.8	127.7	147.2	188.5	211.3	591.3	656.4	726.0	816.6	895.1	974	1087	1157	5129.0	5469.7	2 + 8 + 8 + 2 = 20