

№	атом	конфигурация	сигма	дзета	энергия	
2	He	1S	1s2	0,346	1,654	25,03
3	Li	2S	1s2	0,346	2,654	67,48
			2s1	1,664	0,668	5,35
4	Be	1S	1s2	0,353	3,647	128,71
			2s2	2,013	0,994	8,42
5	B	2P	1s2	0,364	4,636	209,525
			2s2	2,311	1,344	13,46
			2p1	2,654	1,173	8,44
6	C	1S	1s2	0,366	5,634	310,21
			2s2	2,594	1,703	20,14
			2p2	3,181	1,409	8,44
6	C	3P	1s2	0,371	5,629	307,48
			2s2	2,634	1,683	19,18
			2p2	2,970	1,515	11,80
6	C	1D	1s2	0,371	5,629	308,85
			2s2	2,620	1,690	19,46
			2p2	3,027	1,485	10,84
7	N	4S	1s2	0,386	6,614	425,85
			2s2	2,960	2,020	25,71
			2p3	3,311	1,845	15,51
7	N	2P	1s2	0,386	6,614	427,21
			2s2	2,926	2,037	26,53
			2p3	3,435	1,782	12,83
7	N	2D	1s2	0,386	6,614	425,85
			2s2	2,960	2,020	26,26
			2p3	3,392	1,804	13,88
8	O	1S	1s2	0,411	7,589	564,63
			2s2	3,267	2,366	34,69
			2p4	3,851	2,074	15,10
8	O	3P	1s2	0,411	7,589	561,91
			2s2	3,267	2,366	33,88
			2p4	3,747	2,126	17,14
8	O	1D	1s2	0,411	7,589	563,27
			2s2	3,267	2,366	34,15
			2p4	3,800	2,100	16,33
9	F	2P	1s2	0,424	8,576	718,37
			2s2	3,600	2,700	42,86
			2p5	4,145	2,427	19,86
10	Ne	1S	1s2	0,443	9,557	891,16
			2s2	3,937	3,031	52,52
			2p6	4,529	2,735	23,13
11	Na	2S	1s2	0,455	10,545	1102,05
			2s2	4,051	3,475	76,05
			2p6	4,467	3,266	41,36
			3s1	8,398	0,867	4,95
12	Mg	1S	1s2	0,475	11,525	1334,70
			2s2	4,157	3,922	102,45
			2p6	4,450	3,775	62,18
			3s2	8,589	1,137	6,88
13	Al	2P	1s2	0,450	12,550	1591,84
			2s2	4,268	4,366	133,61
			2p6	4,413	4,293	87,62
			3s2	8,699	1,434	10,71
			3p1	9,764	1,079	5,71

14	Si	1S	1s2	0,443	13,557	1877,56
			2s2	4,380	4,810	168,71
			2p6	4,407	4,796	116,74
			3s2	8,867	1,711	15,24
			3p2	10,177	1,274	5,74
14	Si	3P	1s2	0,443	13,557	1877,56
			2s2	4,380	4,810	167,35
			2p6	4,407	4,796	115,78
			3s2	8,911	1,696	14,69
			3p2	9,944	1,352	8,08
14	Si	1D	1s2	0,443	13,557	1877,56
			2s2	4,380	4,810	167,35
			2p6	4,407	4,796	116,19
			3s2	8,891	1,703	14,97
			3p2	10,039	1,320	7,10
15	P	4S	1s2	0,488	14,512	2176,88
			2s2	4,495	5,252	204,08
			2p6	4,404	5,298	146,94
			3s2	9,152	1,949	18,91
			3p3	10,172	1,609	10,67
15	P	2P	1s2	0,488	14,512	2176,88
			2s2	4,495	5,252	205,44
			2p6	4,404	5,298	158,30
			3s2	9,125	1,958	19,46
			3p3	10,310	1,563	8,83
15	P	2D	1s2	0,488	14,512	2176,88
			2s2	4,495	5,252	205,44
			2p6	4,404	5,298	146,94
			3s2	9,143	1,952	19,18
			3p3	10,256	1,581	9,54
16	S	1S	1s2	0,468	15,532	2503,41
			2s2	4,608	5,696	244,90
			2p6	4,431	5,784	182,31
			3s2	9,406	2,198	24,08
			3p4	10,552	1,816	11,43
16	S	3P	1s2	0,468	15,532	2503,41
			2s2	4,608	5,696	244,90
			2p6	4,431	5,784	182,31
			3s2	9,411	2,196	23,95
			3p4	10,526	1,825	11,90
16	S	1D	1s2	0,468	15,532	2503,41
			2s2	4,608	5,696	244,90
			2p6	4,431	5,784	182,31
			3s2	9,406	2,198	24,08
			3p4	10,569	1,810	11,31
17	Cl	2P	1s2	0,458	16,542	2857,16
			2s2	4,724	6,138	288,44
			2p6	4,427	6,286	219,05
			3s2	9,697	2,198	29,25
			3p5	10,853	2,049	13,74
18	Ar	1S	1s2	0,479	17,521	3224,50
			2s2	4,812	6,594	334,70
			2p6	4,433	6,783	259,87
			3s2	9,974	2,675	34,69
			3p6	11,174	2,275	16,05