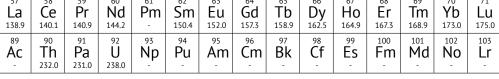
1	1																18
1		I															
1 H 1.008	2											13	14	15	16	17	He 4.003
3 Li 6.94	8e 9.01											B 10.81	6 C 12.01	7 N 14.01	8 0 16.00	9 F 19.00	Ne 20.18
Na 22.99	Mg 24.31	3	4	5	6	7	8	9	10	11	12	13 Al 26.98	Si 28.09	15 P 30.97	16 S 32.06	17 Cl 35.45	18 Ar 39.95
19 K 39.10	Ca 40.08	21 Sc 44.96	22 Ti 47.87	23 V 50.94	Cr 52.00	25 Mn 54.94	Fe 55.85	Co 58.93	28 Ni 58.69	Cu 63.55	Zn 65.38	Ga 69.72	Ge 72.63	33 As 74.92	34 Se 78.97	35 Br 79.90	36 Kr 83.80
37 Rb 85.47	Sr 87.62	39 Y 88.91	Zr 91.22	41 Nb 92.91	42 Mo 95.95	Tc	Ru 101.1	Rh 102.9	Pd 106.4	47 Ag 107.9	Cd 112.4	49 In 114.8	Sn 118.7	51 Sb 121.8	Te 127.6	53 126.9	Xe 131.3
CS 132.9	Ba 137.3	57- 71	72 Hf 178.5	Ta 180.9	74 W 183.8	75 Re 186.2	76 Os 190.2	77 r 192.2	78 Pt 195.1	79 Au 197.0	80 Hg 200.6	81 TL 204.4	Pb 207.2	Bi 209.0	Po	85 At	Rn
87 Fr	R _a	89- 103	Rf	Db	Sg	Bh	108 Hs	109 Mt	DS	Rg	Cn	Nh	Fl	¹¹⁵ Mc	116 LV	TS	Og
			57 La 138.9	Ce 140.1	59 Pr 140.9	Nd 144.2	Pm	5m 150.4	Eu 152.0	64 Gd 157.3	Tb 158.9	Dy 162.5	67 Ho 164.9	68 Er 167.3	Tm 168.9	70 Yb 173.0	71 Lu 175.0
			89 Ac	90 Th 232.0	91 Pa 231.0	92 U 238.0	93 Np	Pu	95 Am	Cm	97 Bk	Cf	es Es	Fm	Md	No	Lr





Республикалық химия олимпиадасы

Аудандық кезең (2022-2023).

Теориялық кезеңнің жауап бланктері.

№1 Есеп. Название крутой задачи

1.1	1.2	1.3	1.4	Bcero	Bec(%)
1	2	3	3	9	11

1	2	3	3	9	11
1.1					
1.1					
1.2					
1.3					
1.3					
1.4					