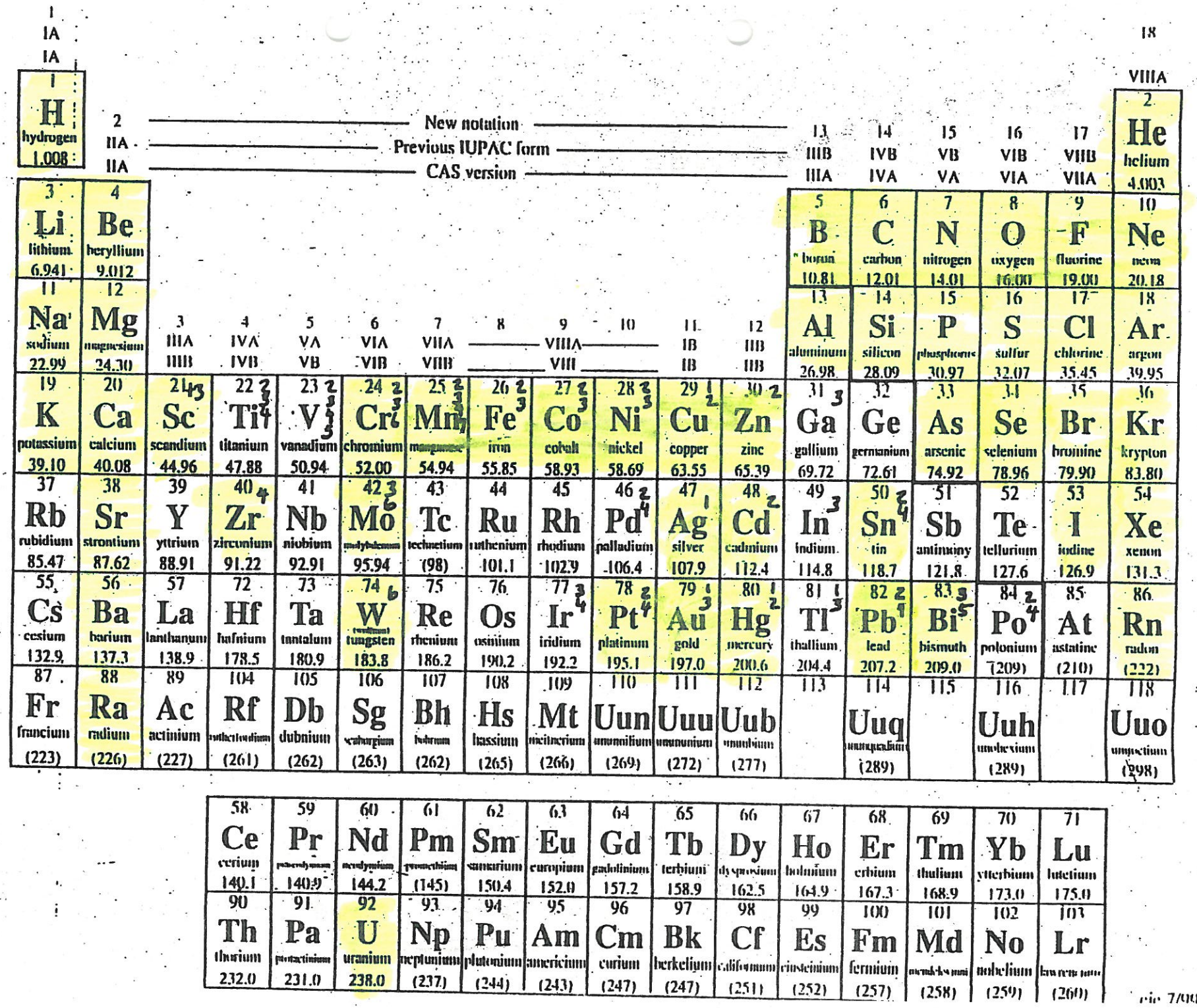
New notation
Previous IUPAC form
CAS version
1 IA IA
2 IIA IIA
13 IIIB IIIA
14 IVB IVA
15 VB VA
16 VIB VIA
17 VIIB VIIA
18 VIIIA
3 IIIA IIIB
4 IVA IVB
5 VA VB
6 VIA VIB
7 VIIA VIIB
8
9 VIIIA VIII
10
11 IB IB
12 IIB IIB
1 H hydrogen 1.008
2 He helium 4.003
3 Li lithium 6.941
4 Be beryllium 9.012
5 B boron 10.81
6 C carbon 12.01
7 N nitrogen 14.01
8 O oxygen 16.00
9 F fluorine 19.00
10 Ne neon 20.18
11 Na sodium 22.99
12 Mg magnesium 24.30
13 Al aluminum 26.98
14 Si silicon 28.09
15 P phosphorus 30.97
16 S sulfur 32.07
17 Cl chlorine 35.45
18 Ar argon 39.95
19 K potassium 39.10
20 Ca calcium 40.08
21 Sc scandium 44.96
22 Ti titanium 47.88
23 V vanadium 50.94
24 Cr chromium 52.00
25 Mn manganese 54.94
26 Fe iron 55.85
27 Co cobalt 58.93
28 Ni nickel 58.69
29 Cu copper 63.55
30 Zn zinc 65.39
31 Ga gallium 69.72
32 Ge germanium 72.61
33 As arsenic 74.92
34 Se selenium 78.96
35 Br bromine 79.90
36 Kr krypton 83.80
37 Rb rubidium 85.47
38 Sr strontium 87.62
39 Y yttrium 88.91
40 Zr zirconium 91.22
41 Nb niobium 92.91
42 Mo molybdenum 95.94
43 Tc technetium (98)
44 Ru ruthenium 101.1
45 Rh rhodium 102.9
46 Pd palladium 106.4
47 Ag silver 107.9
48 Cd cadmium 112.4
49 In indium 114.8
50 Sn tin 118.7
51 Sb antimony 121.8
52 Te tellurium 127.6
53 I iodine 126.9
54 Xe xenon 131.3
55 Cs cesium 132.9
56 Ba barium 137.3
57 La lanthanum 138.9
72 Hf hafnium 178.5
73 Ta tantalum 180.9
74 W tungsten 183.8
75 Re rhenium 186.2
76 Os osmium 190.2
77 Ir iridium 192.2
78 Pt platinum 195.1
79 Au gold 197.0
80 Hg mercury 200.6
81 Tl thallium 204.4
82 Pb lead 207.2
83 Bi bismuth 209.0
84 Po polonium (209)
85 At astatine (210)
86 Rn radon (222)
87 Fr francium (223)
88 Ra radium (226)
89 Ac actinium (227)
104 Rf rutherfordium (261)
105 Db dubnium (262)
106 Sg seaborgium (263)
107 Bh bohrium (262)
108 Hs hassium (265)
109 Mt meitnerium (266)
110 Uun ununnilium (269)
111 Uuu unununium (272)
112 Uub ununbium (277)
113
114 Uuq ununquadium (289)
115
116 Uuh ununhexium (289)
117
118 Uuo ununoctium (298)
58 Ce cerium 140.1
59 Pr praseodymium 140.9
60 Nd neodymium 144.2
61 Pm promethium (145)
62 Sm samarium 150.4
63 Eu europium 152.0
64 Gd gadolinium 157.2
65 Tb terbium 158.9
66 Dy dysprosium 162.5
67 Ho holmium 164.9
68 Er erbium 167.3
69 Tm thulium 168.9
70 Yb ytterbium 173.0
71 Lu lutetium 175.0
90 Th thorium 232.0
91 Pa protactinium 231.0
92 U uranium 238.0
93 Np neptunium (237)
94 Pu plutonium (244)
95 Am americium (243)
96 Cm curium (247)
97 Bk berkelium (247)
98 Cf californium (251)
99 Es einsteinium (252)
100 Fm fermium (257)
101 Md mendelevium (258)
102 No nobelium (259)
103 Lr lawrencium (260)

rev 7/00