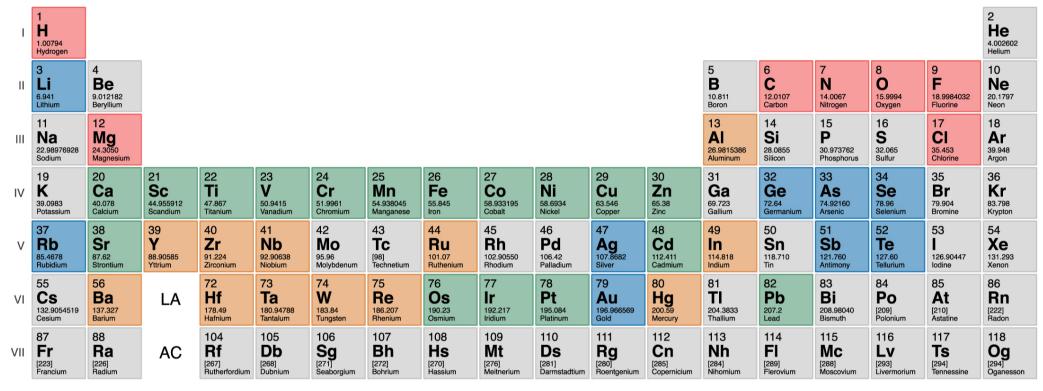
Figure 1. from Linemake: An Atomic and Molecular Line List Generator null 2021 RNAAS 5 92 doi:10.3847/2515-5172/abf651 https://dx.doi.org/10.3847/2515-5172/abf651

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57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 **Dy** 162.500 La Ce Pr Nd Pm Sm Eu Gd Tb Ho Er Tm Yb Lu 158.92535 138 90547 140.116 140.90765 144.242 [145] 150.36 151.964 157.25 164.93032 167.259 168.93421 173.054 174.9668 Cerium Praseodymium Neodymium Promethium Samarium Europium Gadolinium Terbium Dysprosium Erbium Thulium Ytterbium Lutetium Lanthanum Holmium 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 Np [237] Neptunium Bk Cf Es Th Pa U Pu Cm Fm Md No Ac Am Lr [227] Actinium 232.03806 231.03588 238.02891 [244] Plutonium [243] Americium [247] Curium [247] Berkelium [251] Californium [252] Einsteinium [257] Fermium [258] Mendelevium [259] Nobelium [262] Lawrencium Thorium Uranium Protactinium 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

not available