Correction to: The short form of Mendeleev's Periodic Table of Chemical Elements: toolbox for learning the basics of inorganic chemistry. A contribution to celebrate 150 years of the Periodic Table in 2019

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We regret that Table 2 did not list all 118 elements of Mendeleev's Periodic Table.

The modified Table 2 presents seven periods of discovery, where the elements of each period are placed according to their discovery year.

The original article can be found online at <https://doi.org/10.1007/s40828-018-0059-y>.

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Table 2 Suggested seven periods of discovery of the 118 elements of the Periodic Table

Elements known to humans since ancient times*

(8000 BCE[#]) (Cu)–800 BCE (Sb); 7200 years: 8 elements

Copper (Cu), Lead (Pb), Gold (Au), Silver (Ag), Tin (Sn), Sulfur (S), Mercury (Hg), Antimony (Sb)

~ 1400 (Bi)–1797 (V); ~ 400 years: 24 elements

Bismuth (Bi), Phosphorus (P), Carbon (C), Iron (Fe), Platinum (Pt), Nickel (Ni), Cobalt (Co), Magnesium (Mg), Nitrogen (N), Oxygen (O), Chlorine (Cl), Chromium (Cr), Manganese (Mn), Hydrogen (H), Molybdenum (Mo), Tellurium (Te), Tungsten (W), Zirconium (Zr), Uranium (U), Strontium (Sr), Scandium (Sc), Yttrium (Y), Beryllium (Be), Vanadium (V)

1801 (Nb)–1844 (Ru); 44 years: 24 elements

Niobium (Nb), Tantalum (Ta), Palladium (Pd), Cerium (Ce), Osmium (Os), Iridium (Ir), Rhodium (Rh), Potassium (K), Sodium (Na), Barium (Ba), Boron (B), Iodine (I), Lithium (Li), Cadmium (Cd), Silicon (Si), Arsenic (As), Aluminum (Al), Selenium (Se), Thorium (Th), Titanium (Ti), Lanthanum (La), Erbium (Er), Terbium (Tb), Ruthenium (Ru)

1860 (Cs)–1900 (Rn); 41 years: 26 elements

Caesium (Cs), Thallium (Tl), Rubidium (Rb), Indium (In), Holmium (Ho), Zinc (Zn), Ytterbium (Yb), Calcium (Ca), Samarium (Sm), Thulium (Tm), Gadolinium (Gd), Praseodymium (Pr), Neodymium (Nd), Germanium (Ge), Gallium (Ga), Dysprosium (Dy), Fluorine (F), Argon (Ar), Helium (He), Krypton (Kr), Neon (Ne), Xenon (Xe), Polonium (Po), Radium (Ra), Actinium (Ac), Radon (Rn)

1901 (Eu)–1945 (Pr); 45 years: 13 elements

Europium (Eu), Lutetium (Lu), Protactinium (Pa), Hafnium (Hf), Rhenium (Re), Technetium (Tc), Francium (Fr), Astatine (At), Neptunium (Np), Plutonium (Pu), Curium (Cm), Americium (Am), Promethium (Pm)

1949 (Bk)–1984 (Hs); 36 years: 13 elements

Berkelium (Bk), Californium (Cf), Einsteinium (Es), Fermium (Fm), Mendelevium (Md), Nobelium (No), Lawrencium (Lr), Rutherfordium (Rf), Dubnium (Db), Seaborgium (Sg), Bohrium (Bh), Meitnerium (Mt), Hassium (Hs)

1994 (Ds/Rg)–2010 (Ts); 17 years; 9 elements

Darmstadtium (Ds), Roentgenium (Rg), Copernicium (Cn), Nihonium (Nh), Oganesson (Og), Flerovium (Fl), Livermorium (Lv), Moscovium (Mc), Tennessine (Ts)

(cf. Sec. 'Early classifications of the chemical elements')

*At that time not understood as elements in the modern definition

[#]BCE (Before Common Era) and BC (Before Christ) mean the same: previous to year 1 CE (Common Era)

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