

Figure 1

The periodic table is organized by groups (vertical columns) and periods (horizontal rows). The elements are color-coded according to their properties:

- Alkali metals (Group 1)
- Alkaline-earth metals (Group 2)
- Transition metals (Groups 3-10)
- Other metals (Groups 11-12)
- Other nonmetals (Groups 13-16)
- Halogens (Group 17)
- Noble gases (Group 18)
- Rare-earth elements (Lanthanoid and Actinoid series)
- Actinoid elements (Series 7)

The periodic table shows the following elements:

period \ group	1*	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	H																	He
2	Li	Be											B	C	N	O	F	Ne
3	Na	Mg											Al	Si	P	S	Cl	Ar
4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
6	Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
7	Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn	Nh	Fl	Mc	Lv	Ts	Og

The lanthanoid series (Period 6) includes elements 58 (Ce) through 71 (Lu).

The actinoid series (Period 7) includes elements 90 (Th) through 103 (Lr).

A	B
Transition Element	Nd
Alkali metal	S
Noble gases	Fe
Non metal	K
Lanthanoid	Ar