

Periodic Table — Metals, Metalloids & Nonmetals

A simplified 4-category classification for introductory chemistry | periodictableonline.com

Metal (alkali, alkaline earth, transition, post-transition, lanthanide, actinide)												Metalloid (semiconductor)		Nonmetal & Halogen				Synthetic / Unknown	
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
1 H Nonmetal																	2 He Noble Gas		
3 Li Metal	4 Be Metal												5 B Metalloid	6 C Nonmetal	7 N Nonmetal	8 O Nonmetal	9 F Nonmetal	10 Ne Noble Gas	
11 Na Metal	12 Mg Metal												13 Al Metal	14 Si Metalloid	15 P Nonmetal	16 S Nonmetal	17 Cl Nonmetal	18 Ar Noble Gas	
19 K Metal	20 Ca Metal	21 Sc Metal	22 Ti Metal	23 V Metal	24 Cr Metal	25 Mn Metal	26 Fe Metal	27 Co Metal	28 Ni Metal	29 Cu Metal	30 Zn Metal	31 Ga Metal	32 Ge Metalloid	33 As Metalloid	34 Se Nonmetal	35 Br Nonmetal	36 Kr Noble Gas		
37 Rb Metal	38 Sr Metal	39 Y Metal	40 Zr Metal	41 Nb Metal	42 Mo Metal	43 Tc Metal	44 Ru Metal	45 Rh Metal	46 Pd Metal	47 Ag Metal	48 Cd Metal	49 In Metal	50 Sn Metal	51 Sb Metalloid	52 Te Metalloid	53 I Nonmetal	54 Xe Noble Gas		
55 Cs Metal	56 Ba Metal	57 La Metal	72 Hf Metal	73 Ta Metal	74 W Metal	75 Re Metal	76 Os Metal	77 Ir Metal	78 Pt Metal	79 Au Metal	80 Hg Metal	81 Tl Metal	82 Pb Metal	83 Bi Metal	84 Po Metal	85 At Nonmetal	86 Rn Noble Gas		
87 Fr Metal	88 Ra Metal	89 Ac Metal	104 Rf Metal	105 Db Metal	106 Sg Metal	107 Bh Metal	108 Hs Metal	109 Mt Unknown	110 Ds Unknown	111 Rg Unknown	112 Cn Metal	113 Nh Unknown	114 Fl Unknown	115 Mc Unknown	116 Lv Unknown	117 Ts Nonmetal	118 Og Noble Gas		
		57 La Metal	58 Ce Metal	59 Pr Metal	60 Nd Metal	61 Pm Metal	62 Sm Metal	63 Eu Metal	64 Gd Metal	65 Tb Metal	66 Dy Metal	67 Ho Metal	68 Er Metal	69 Tm Metal	70 Yb Metal	71 Lu Metal			
		89 Ac Metal	90 Th Metal	91 Pa Metal	92 U Metal	93 Np Metal	94 Pu Metal	95 Am Metal	96 Cm Metal	97 Bk Metal	98 Cf Metal	99 Es Metal	100 Fm Metal	101 Md Metal	102 No Metal	103 Lr Metal			

* Lanthanides (Z = 57–71) — Metals ** Actinides (Z = 89–103) — Metals Classification follows IUPAC convention.