

Group (same # valence electrons)

# Periodic Table of the Elements

Nonmetals

Metalloids

Metals

1	2											3	4	5	6	7	8	9	10										
1	2											13	14	15	16	17	18												
1	2											3	4	5	6	7	8	9	10										
3	4											11	12	13	14	15	16	17	18										
11	12											19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
19	20	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20										
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56										
55	56	57-71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88										
87	88	89-103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120										

Period (# shells)

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
La	Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
Lanthanum	Cerium	Praseodymium	Neodymium	Promethium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
138.91	140.12	140.91	144.24	144.91	150.36	151.96	157.25	158.93	162.50	164.93	167.26	168.93	173.06	174.97
89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Ac	Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr
Actinium	Thorium	Protactinium	Uranium	Neptunium	Plutonium	Americium	Curium	Berkelium	Californium	Einsteinium	Fermium	Mendelevium	Nobelium	Lawrencium
227.03	232.04	231.04	238.03	237.05	244.06	243.06	247.07	247.07	251.08	[254]	257.10	258.10	259.10	[262]

- Alkali Metal
- Alkaline Earth
- Transition Metal
- Basic Metal
- Metalloid
- Nonmetal
- Halogen
- Noble Gas
- Lanthanide
- Actinide