

# Periodic Table of the Elements

Diatomic Molecules H<sub>2</sub>, N<sub>2</sub>, O<sub>2</sub>, F<sub>2</sub>, Cl<sub>2</sub>, Br<sub>2</sub>, I<sub>2</sub>

Atomic Number →

← Atomic Symbol

← Mass Number (amu)

Alkali Metals Group 1A (s <sup>1</sup> ) 1 <sup>+</sup>		Alkaline Earth Metals Group 2A (s <sup>2</sup> )* 2 <sup>+</sup>										Chalcogens					Halogens		Noble (or Inert) Gases Group 8A (p <sup>6</sup> )	
1	1											5	6	7	8	9	10			
1	2											13	14	15	16	17	18			
2	3	Transition Metals (n-1)										31	32	33	34	35	36			
3	4	11	12	Group 3B (d <sup>1</sup> ) 3 <sup>+</sup>	Group 4B (d <sup>2</sup> )	Group 5B (d*)	Group 6B (d*)	Group 7B (d <sup>5</sup> )	(d*)		Group 8B (d*)	(d*)	Group 1B (d*)	Group 2B (d <sup>10</sup> )	13	14	15	16	17	18
4	5	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
5	6	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	
6	7	55	56	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	
7	8	87	88	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	

42

Mo

Molybdenum

95.94

Lanthanide/Actinide (f\*) n-2

Metals	
Metalloids	
Non-metals	

Lanthanide

Actinide

57	58	59	60	61	62	63	64	65	66	67	68	69	70
La Lanthanum 138.9055	Ce Cerium 140.116	Pr Praseodymium 140.90765	Nd Neodymium 144.24	Pm Promethium (145)	Sm Samarium 150.36	Eu Europium 151.964	Gd Gadolinium 157.25	Tb Terbium 158.92534	Dy Dysprosium 162.50	Ho Holmium 164.93032	Er Erbium 167.26	Tm Thulium 168.93421	Yb Ytterbium 173.04
89	90	91	92	93	94	95	96	97	98	99	100	101	102
Ac Actinium (227.03)	Th Thorium 232.0381	Pa Protactinium 231.03588	U Uranium 238.0289	Np Neptunium (237)	Pu Plutonium (244)	Am Americium (243)	Cm Curium (247)	Bk Berkelium (247)	Cf Californium (251)	Es Einsteinium (252)	Fm Fermium (257)	Md Mendelevium (258)	No Nobelium (259)