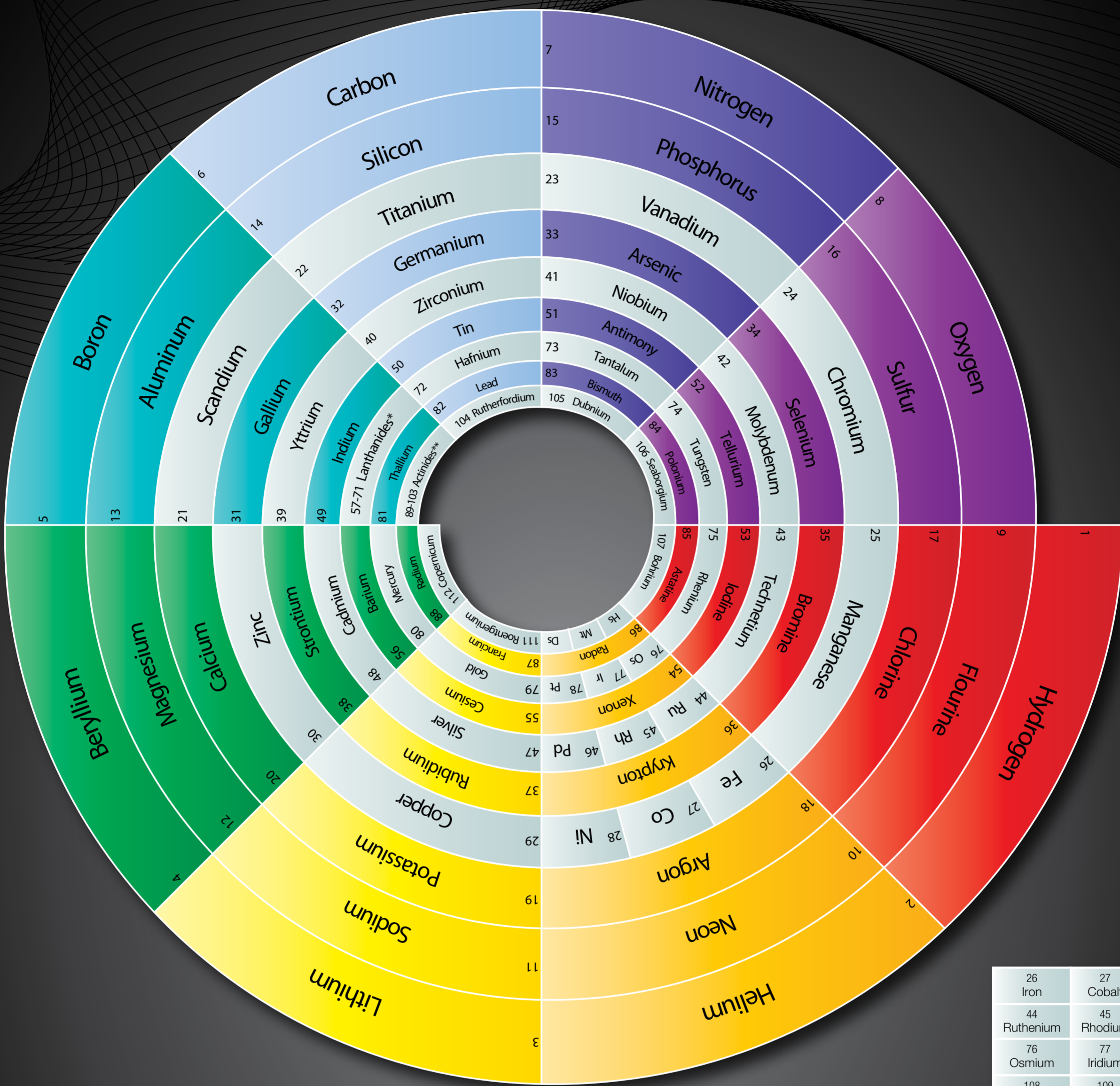


Periodic Chart of the Elements



26	27	28
Iron	Cobalt	Nickel
44	45	46
Ruthenium	Rhodium	Palladium
76	77	78
Osmium	Iridium	Platinum
108	109	110
Hassium	Meitnerium	Darmstadtium

57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
Lanthanum	Cerium	Praseodymium	Neodymium	Promethium	Samarium	Europium	Gadolinium	Terbium	Dysprosium	Holmium	Erbium	Thulium	Ytterbium	Lutetium
89	90	91	92	93	94	95	96	97	98	99	100	101	102	103
Actinium	Thorium	Protactinium	Uranium	Neptunium	Plutonium	Americium	Curium	Berkelium	Californium	Einsteinium	Fermium	Mendelevium	Nobelium	Lawrencium

No	S	Mass	State	No	S	Mass	State	No	S	Mass	State	No	S	Mass	State	No	S	Mass	State	No	S	Mass	State
1	H	1.008	Non-Metal	21	Sc	44.96	Transitional metals	41	Nb	92.91	Transitional metals	61	Pm	145.0	Lanthanoid	81	Tl	204.4	Metal	101	Md	258.0	Actinoid
2	He	4.003	Noble Gas	22	Ti	47.87	Transitional metals	42	Mo	95.94	Transitional metals	62	Sm	150.4	Lanthanoid	82	Pb	207.2	Metal	102	No	259.0	Actinoid
3	Li	6.941	Alkali Metal	23	V	50.94	Transitional metals	43	Tc	98.00	Transitional metals	63	Eu	152.0	Lanthanoid	83	Bi	209.0	pnictogen	103	Lr	262.0	Actinoid
4	Be	9.012	Alkali Earth Metal	24	Cr	52.00	Transitional metals	44	Ru	101.1	Platinum Group	64	Gd	157.3	Lanthanoid	84	Po	209.0	Chalcogen	104	Rf	261.0	Transactinide
5	B	10.81	Metalloid	25	Mn	54.94	Transitional metals	45	Rh	102.9	Platinum Group	65	Tb	158.9	Lanthanoid	85	At	210.0	Halogen	105	Db	262.0	Transactinide
6	C	12.01	Non-Metal	26	Fe	55.85	Transitional metals	46	Pd	106.4	Platinum Group	66	Dy	162.5	Lanthanoid	86	Rn	222.0	Noble Gas	106	Sg	266.0	Transactinide
7	N	14.01	pnictogen	27	Co	58.93	Transitional metals	47	Ag	107.9	Coinage Metal	67	Ho	164.9	Lanthanoid	87	Fr	223.0	Alkali Metal	107	Bh	264.0	Transactinide
8	O	16.00	Chalcogen	28	Ni	58.69	Transitional metals	48	Cd	112.4	Transitional Metal	68	Er	167.3	Lanthanoid	88	Ra	226.0	Alkali Earth Metal	108	Hs	277.0	Transactinide
9	F	19.00	Halogen	29	Cu	63.55	Coinage Metal	49	In	114.8	Metal	69	Tm	168.9	Lanthanoid	89	Ac	227.0	Actinoid	109	Mt	268.0	Transactinide
10	Ne	20.18	Noble Gas	30	Zn	65.41	Transitional metals	50	Sn	118.7	Metal	70	Yb	173.0	Lanthanoid	90	Th	232.0	Actinoid	110	Ds	281.0	Transactinide
11	Na	22.99	Alkali Metal	31	Ga	69.72	Metal	51	Sb	121.8	pnictogen	71	Lu	175.0	Lanthanoid	91	Pa	231.0	Actinoid	111	Rg	272.0	Transactinide
12	Mg	24.31	Alkali Earth Metal	32	Ge	72.64	Metalloid	52	Te	127.6	Chalcogen	72	Hf	178.5	Transitional Metal	92	U	238.0	Actinoid	112	Cn	285.0	Transactinide
13	Al	26.98	metals	33	As	74.92	pnictogen	53	I	126.9	Halogen	73	Ta	180.9	Transitional Metal	93	Np	237.0	Actinoid	113	Uut	284.0	Transactinide
14	Si	28.09	metalloid	34	Se	78.96	Chalcogen	54	Xe	131.3	Noble Gas	74	W	183.8	Transitional Metal	94	Pu	239.0	Actinoid	114	Uuq	289.0	Transactinide
15	P	30.97	pnictogen	35	Br	79.90	Halogen	55	Cs	132.9	Alkali Metal	75	Re	186.2	Transitional Metal	95	Am	243.0	Actinoid	115	Uup	288.0	pnictogen
16	S	32.07	Chalcogen	36	Kr	83.80	Noble Gas	56	Ba	137.3	Alkali Earth Metal	76	Os	190.2	Platinum Group	96	Cm	247.0	Actinoid	116	Uuh	292.0	Chalcogen
17	Cl	35.45	Halogen	37	Rb	85.47	Alkali Metal	57	La	138.9	Lanthanoid	77	Ir	192.2	Platinum Group	97	Bk	247.0	Actinoid	117	Uus		Halogen
18	Ar	39.95	Noble Gas	38	Sr	87.62	Alkali Earth Metal	58	Ce	140.1	Lanthanoid	78	Pt	195.1	Platinum Group	98	Cf	251.0	Actinoid	118	Uuo	294.0	Noble Gas
19	K	39.10	Alkali Metal	39	Y	88.91	Transitional metals	59	Pr	140.9	Lanthanoid	79	Au	197.0	Coinage Metal	99	Es	252.0	Actinoid				
20	Ca	40.08	Alkali Earth Metal	40	Zr	91.22	Transitional metals	60	Nd	144.2	Lanthanoid	80	Hg	200.6	Transitional Metal	100	Fm	257.0	Actinoid				