

1. IDENTIFICATION OF THE ELEMENTS 2. STRUCTURE OF THE ATOM 3. PERIODIC TABLE 4. CHEMICAL REACTIONS

Name: _____
 Date: _____
 Class: _____
 Roll No: _____
 Teacher: _____

Sl. No.	Element	Symbol	Atomic No.	Group	Period	Block	Classification
1	Hydrogen	H	1	1	1	s	Non-metal
2	Helium	He	2	18	1	s	Noble gas
3	Lithium	Li	3	1	2	s	Alkali metal
4	Beryllium	Be	4	2	2	s	Alkaline earth metal
5	Boron	B	5	13	2	p	Metalloid
6	Carbon	C	6	14	2	p	Non-metal
7	Nitrogen	N	7	15	2	p	Non-metal
8	Oxygen	O	8	16	2	p	Non-metal
9	Fluorine	F	9	17	2	p	Non-metal
10	Neon	Ne	10	18	2	p	Noble gas
11	Sodium	Na	11	1	3	s	Alkali metal
12	Magnesium	Mg	12	2	3	s	Alkaline earth metal
13	Aluminum	Al	13	13	3	p	Metal
14	Silicon	Si	14	14	3	p	Metalloid
15	Phosphorus	P	15	15	3	p	Non-metal
16	Sulfur	S	16	16	3	p	Non-metal
17	Chlorine	Cl	17	17	3	p	Non-metal
18	Argon	Ar	18	18	3	p	Noble gas
19	Potassium	K	19	1	4	s	Alkali metal
20	Calcium	Ca	20	2	4	s	Alkaline earth metal
21	Scandium	Sc	21	3	4	d	Transition metal
22	Titanium	Ti	22	4	4	d	Transition metal
23	Vanadium	V	23	5	4	d	Transition metal
24	Chromium	Cr	24	6	4	d	Transition metal
25	Manganese	Mn	25	7	4	d	Transition metal
26	Iron	Fe	26	8	4	d	Transition metal
27	Cobalt	Co	27	9	4	d	Transition metal
28	Nickel	Ni	28	10	4	d	Transition metal
29	Copper	Cu	29	11	4	d	Transition metal
30	Zinc	Zn	30	12	4	d	Transition metal
31	Gallium	Ga	31	13	4	p	Metal
32	Germanium	Ge	32	14	4	p	Metalloid
33	Arsenic	As	33	15	4	p	Metalloid
34	Selenium	Se	34	16	4	p	Non-metal
35	Bromine	Br	35	17	4	p	Non-metal
36	Krypton	Kr	36	18	4	p	Noble gas
37	Rubidium	Rb	37	1	5	s	Alkali metal
38	Strontium	Sr	38	2	5	s	Alkaline earth metal
39	Yttrium	Y	39	3	5	d	Transition metal
40	Zirconium	Zr	40	4	5	d	Transition metal
41	Niobium	Nb	41	5	5	d	Transition metal
42	Molybdenum	Mo	42	6	5	d	Transition metal
43	Technetium	Tc	43	7	5	d	Transition metal
44	Ruthenium	Ru	44	8	5	d	Transition metal
45	Rhodium	Rh	45	9	5	d	Transition metal
46	Palladium	Pd	46	10	5	d	Transition metal
47	Silver	Ag	47	11	5	d	Transition metal
48	Cadmium	Cd	48	12	5	d	Transition metal
49	Indium	In	49	13	5	p	Metal
50	Sn	Sn	50	14	5	p	Metal
51	Antimony	Sb	51	15	5	p	Metalloid
52	Tellurium	Te	52	16	5	p	Non-metal
53	Iodine	I	53	17	5	p	Non-metal
54	Xenon	Xe	54	18	5	p	Noble gas
55	Cesium	Cs	55	1	6	s	Alkali metal
56	Barium	Ba	56	2	6	s	Alkaline earth metal
57	Lanthanum	La	57	3	6	f	Lanthanide
58	Cerium	Ce	58	4	6	f	Lanthanide
59	Praseodymium	Pr	59	5	6	f	Lanthanide
60	Neodymium	Nd	60	6	6	f	Lanthanide
61	Europium	Eu	61	7	6	f	Lanthanide
62	Gadolinium	Gd	62	8	6	f	Lanthanide
63	Terbium	Tb	63	9	6	f	Lanthanide
64	Dysprosium	Dy	64	10	6	f	Lanthanide
65	Ho	Ho	65	11	6	f	Lanthanide
66	Er	Er	66	12	6	f	Lanthanide
67	Ytterbium	Yb	67	13	6	f	Lanthanide
68	Lutetium	Lu	68	14	6	f	Lanthanide
69	Hafnium	Hf	69	4	6	d	Transition metal
70	Tantalum	Ta	70	5	6	d	Transition metal
71	Tungsten	W	71	6	6	d	Transition metal
72	Rhenium	Re	72	7	6	d	Transition metal
73	Osmium	Os	73	8	6	d	Transition metal
74	Iridium	Ir	74	9	6	d	Transition metal
75	Platinum	Pt	75	10	6	d	Transition metal
76	Gold	Au	76	11	6	d	Transition metal
77	Mercury	Hg	77	12	6	d	Transition metal
78	Thallium	Tl	78	13	6	p	Metal
79	Lead	Pb	79	14	6	p	Metal
80	Bismuth	Bi	80	15	6	p	Metalloid
81	Polonium	Po	81	16	6	p	Non-metal
82	Astatine	At	82	17	6	p	Non-metal
83	Francium	Fr	83	1	7	s	Alkali metal
84	Radium	Ra	84	2	7	s	Alkaline earth metal
85	Actinium	Ac	85	3	7	f	Actinide
86	Thorium	Th	86	4	7	f	Actinide
87	Protactinium	Pa	87	5	7	f	Actinide
88	Uranium	U	88	6	7	f	Actinide
89	Np	Np	89	7	7	f	Actinide
90	Pu	Pu	90	8	7	f	Actinide
91	Am	Am	91	9	7	f	Actinide
92	Cm	Cm	92	10	7	f	Actinide
93	Bk	Bk	93	11	7	f	Actinide
94	Cf	Cf	94	12	7	f	Actinide
95	Es	Es	95	13	7	f	Actinide
96	Fm	Fm	96	14	7	f	Actinide
97	Mendelevium	Md	97	15	7	f	Actinide
98	Nobelium	No	98	16	7	f	Actinide
99	Lr	Lr	99	17	7	f	Actinide

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