## **Periodic Table of the Elements**

1A										http://chemistry.about.com ©2012 Todd Helmenstine					8A		
H												About Chemistry					<sup>2</sup> He
Hydrogen	2A											3A	4A	5A	6A	7A	Helium
3	4											5	6	7	8	9	10
Li	Ве											В	С	N	0	F	Ne
Lithium	Beryllium											Boron	Carbon	Nitrogen	Oxygen	Fluorine	Neon
11	12											13	14	15	16	17	18
Na	Mg	0.0	45	ED.	o.D.	70		O.D.		40	o.D.	Al	Si	Р	S	CI	Ar
Sodium 19	Magnesium 20	3B 21	4B 22	5B 23	6B 24	7B 25	26	— 8B — 27	28	1B 29	2B 30	Aluminum 31	Silicon 32	Phosphorus 33	Sulfur 34	Chlorine 35	Argon 36
K	Ca	Sc	Ti	<b>V</b>	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Potassium	Calcium	Scandium	Titanium	Vanadium	Chromium	Manganese	Iron	Cobalt	Nickel	Copper	Zinc	Gallium	Germanium	Arsenic	Selenium	Bromine	Krypton
37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54
Rb	Sr	Υ	Zr	Nb	Мо	Тс	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	- 1	Xe
Rubidium	Strontium	Yttrium	Zirconium	Niobium	Molybdenum	Technetium	Ruthenium	Rhodium	Palladium	Silver	Cadmium	Indium	Tin	Antimony	Tellurium	Iodine	Xenon
55	56	57-71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86
Cs	Ва		Hf	Та	W	Re	Os	lr	Pt	Au	Hg	TI	Pb	Bi	Ро	At	Rn
Cesium	Barium	Lanthanides	Hafnium	Tantalum	Tungsten	Rhenium	Osmium	Iridium	Platinum	Gold	Mercury	Thallium	Lead	Bismuth	Polonium	Astatine	Radon
87 <b>–</b> -	88	89-103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118
Fr	Ra Radium	Actinides	Rf Rutherfordium	<b>Db</b> Dubnium	<b>Sg</b> Seaborgium	<b>Bh</b> Bohrium	Hs Hassium	Mt	<b>Ds</b> Darmstadtium	Rg Roentgenium	Cn	<b>Uut</b> Ununtrium	FI Flerovium	<b>Uup</b> Ununpentium	Lv	<b>Uus</b> Ununseptium	Uuo
Francium Radium Actinides Rutherfordium Dubnium Seaborgium Bohrium Hassium Meitnerium Darmstadtium Roentgenium Copernicium Ununtrium Flerovium Ununpentium Livermorium Ununseptium Ununcetium Ununceti														Ununoctium			
			57	58	59	60	61	62	63	64	65	66	67	68	69	70	71
Lanthanides			La	Се	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Но	Er	Tm	Yb	Lu
			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
	Actinides			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
			Transition		tion												
Alkali Metals Alkal			ne Earth Transition Metal			Basic Metal Semi Meta		ni Metal	Non Metal		Halogen Noble Ga		ole Gas	Lanthanides		Actinides	