

Suggestions for good grades on element quizzes:

1. Create flash cards with name on one side and symbol (or group number) on the other side
2. Study element nightly (use flash cards, mix them up, study with a parent/sibling)
3. Know the full group names
4. Use the correct type of letter for symbols (upper case for 1st letter, lower case for 2nd letter)
5. Study using a periodic table without names (sometimes knowing the location can help remember the names)
6. Quizzes will be 10 to 20 elements long and you will have only 5-10 minutes to complete
7. Element quizzes will be WEEKLY (unless otherwise stated in class) and can include elements from previous weeks.
8. Small spelling errors won't count against you BUT if the spelling significantly changes the pronunciation of the element it will be counted incorrect.

Week 1 Elements

Group 1 name: Alkali Metals

H -- hydrgen Na -- sodium Rb -- rubidium
Fr -- francium Li -- lithium K -- potassium Cs -- cesium

Group 2 name: Alkaline Earth Metals

Be -- Beryllium Mg -- magnesium Ca -- calcium
Sr -- strontium Ba -- barium Ra -- radium

Groups 3 to 12: Transition Metals

Group 13 name: Boron Family

B -- Boron Al -- aluminum Ga -- gallium
In -- indium Tl --Thallium

Group 14 name: Carbon Family

C -- carbon Si -- silicon Ge -- germanium
Sn -- tin Pb -- lead

Week 2 Elements

Group 15: Nitrogen Family

N -- nitrogen P -- phosphorus
As -- Arsenic Sb -- Antimony Bi -- Bismuth

Group 16: Oxygen Family

O -- oxygen S -- sulfur
Se -- selenium Te -- Tellurium Po -- polonium

Group 17: Halogen Family

F -- fluorine Cl -- chlorine Br -- bromine
I -- iodine At -- astatine

Group 18: Noble Gases

He -- helium Ne -- neon Ar -- argon
Kr -- Krypton Xe -- xenon Rn -- radon

Periodic Table of the Elements

1																		18	
1 H 1.01	2																2 He 4.00		
3 Li 6.94	4 Be 9.01	3										5 B 10.81	6 C 12.01	7 N 14.01	8 O 16.00	9 F 19.00	10 Ne 20.18		
11 Na 22.99	12 Mg 24.31	20 Ca 40.08	21 Sc 44.96	22 Ti 47.87	23 V 50.94	24 Cr 51.99	25 Mn 54.94	26 Fe 55.85	27 Co 58.93	28 Ni 58.69	29 Cu 63.55	30 Zn 65.38	13 Al 26.98	14 Si 28.09	15 P 30.97	16 S 32.07	17 Cl 35.45	18 Ar 39.95	
19 K 39.10	38 Sr 87.62	39 Y 88.91	40 Zr 91.22	41 Nb 92.91	42 Mo 95.95	43 Tc 98.91	44 Ru 101.07	45 Rh 102.91	46 Pd 106.42	47 Ag 107.87	48 Cd 112.41	49 In 114.82	31 Ga 69.72	32 Ge 72.63	33 As 74.92	34 Se 78.97	35 Br 79.90	36 Kr 84.80	
37 Rb 84.47	56 Ba 137.33	57-71	72 Hf 178.49	73 Ta 180.95	74 W 183.84	75 Re 186.21	76 Os 190.23	77 Ir 192.22	78 Pt 195.09	79 Au 196.97	80 Hg 200.59	81 Tl 204.38	82 Pb 207.2	83 Bi 208.98	84 Po [208.98]	85 At 209.99	86 Rn 222.02		
87 Fr 223.02	88 Ra 226.03	89-103	104 Rf [261]	105 Db [262]	106 Sg [266]	107 Bh [264]	108 Hs [269]	109 Mt [268]	110 Ds [269]	111 Rg [272]	112 Cn [277]	113 Uut unknown	114 F1 [289]	115 Uup unknown	116 Lv [293]	117 Uus unknown	118 Uuo unknown		
57 La 138.91	58 Ce 140.12	59 Pr 140.91	60 Nd 144.24	61 Pm 144.91	62 Sm 150.36	63 Eu 151.96	64 Gd 157.25	65 Tb 158.93	66 Dy 162.50	67 Ho 164.93	68 Er 167.26	69 Tm 168.93	70 Yb 173.05	71 Lu 174.97					
89 Ac 227.03	90 Th 232.04	91 Pa 231.04	92 U 238.03	93 Np 237.05	94 Pu 244.06	95 Am 243.06	96 Cm 247.07	97 Bk 247.07	98 Cf 251.08	99 Es [254]	100 Fm 257.10	101 Md 258.1	102 No 259.10	103 Lr [262]					