Periodic Table of the Elements

1 H																	2 He
3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne
11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe
55 Cs	56 Ba	57 La	72 Hf	73 Ta	74 W	75 Re	76 Os	77 Ir	78 Pt	79 Au	80 Hg	81 Tl	82 Pb	83 Bi	84 Po	85 At	86 Rn
87 Fr	88 Ra	89 Ac	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110	111	112		114		116		118

58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb	71 Lu
90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No	103 Lr

KEY:

- ☐ Metals
- ☐ Nonmetals
- ☐ Metalloids
- ☐ Solid
- ☐ Liquid
- ☐ Gas

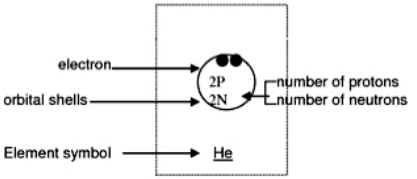
Families/Groups:

- ☐ Alkali metals
- ☐ Alkali earth metals
- ☐ Transition metals
- ☐ Lanthanides
- ☐ Actinides
- ☐ Boron family
- ☐ Carbon family
- ☐ Nitrogen family
- ☐ Oxygen family
- ☐ Halogens
- ☐ Noble gases

BOHR ATOMIC MODELS

Hydrogen
Symbol _____
Atomic Number_____
Mass Number _____

Procedure:
1. Draw Bohr atomic models for each of the atoms using your Periodic Table
2. To represent the # of protons write a P- followed by the number of protons. Place in nucleus.
3. To represent the # of neutrons write a N- followed by the number of neutrons. Place in nucleus.
4. Use periodic table to determine how many electons are in each orbital.
5. Use dots to represent the electrons. Pair electrons after the 1st orbital to make for easier counting.
6. Be sure to write the symbol, atomic #, and mass # for each element.
7. See Carbon as an example of what your Bohr model should look like.
8. Answer "Atomic Models Questions" after you have finished.



Helium
Symbol _____
Atomic Number_____
Mass Number _____

Lithium
Symbol _____
Atomic Number_____
Mass Number _____

Beryllium
Symbol _____
Atomic Number_____
Mass Number _____

Boron
Symbol _____
Atomic Number_____
Mass Number _____

Carbon
Symbol _____
Atomic Number_____
Mass Number _____

Nitrogen
Symbol _____
Atomic Number_____
Mass Number _____

Oxygen
Symbol _____
Atomic Number_____
Mass Number _____

Fluorine
Symbol _____
Atomic Number_____
Mass Number _____

Neon
Symbol _____
Atomic Number_____
Mass Number _____

Sodium
Symbol _____
Atomic Number_____
Mass Number _____

Magnesium
Symbol _____
Atomic Number_____
Mass Number _____

Aluminum
Symbol _____
Atomic Number_____
Mass Number _____

Silicon
Symbol _____
Atomic Number_____
Mass Number _____

Phosphorus
Symbol _____
Atomic Number_____
Mass Number _____

Sulfur
Symbol _____
Atomic Number_____
Mass Number _____

Chlorine
Symbol _____
Atomic Number_____
Mass Number _____

Argon
Symbol _____
Atomic Number_____
Mass Number _____