HW – MAKING AN IMAGINARY PERIODIC TABLE

NAME_____

You have just discovered a new planet which has a whole new set of elements unknown on the earth. In your ship, you have the instruments necessary to measure the *atomic mass*. In addition, you can classify them into a few groups based on their visual properties. You find the following

Element	Atomic Mass
A	1
B	3
C	13
D	25
E	15
F	5
G	7
H	17
I	49
J	39
K	21
L	19
M	9
N	11
O	29
P	50
Q	62
R	63
S	53
T	43
U	33
V	23
W	35
X	45
Y	47
Z	59

Group Name	Elements in that Group
Active Gases	D Q A I
Liquids	P J B R E
Metallic Solids	F H S
Transition Solids	G L O T
Nonmetallic Solids	U M
Inert Gases	N W Z V Y

Elements that still need a group: C, K, X

Using the table on the back, form a periodic chart using the above elements.

* Make sure they are placed in atomic mass order
* Make sure to label where the groups are on your table
* Make sure to find appropriate places for the elements C, K, and X
* Make sure to leave spaces for "undiscovered" elements where appropriate

HW – MAKING AN IMAGINARY PERIODIC TABLE

NAME_____

Questions

1) Assuming R is the last naturally occurring element on the planet, how many undiscovered elements are left for each group?

a) active gases _____ b) metallic solids ____ c) inert gases ____

d) transition solids ____ e) liquids ____

2) In what family do the following elements belong?

a) C _____

b) X _____

c) K _____