

Name: _____ Class: _____ Due: _____

1st 9 weeks REVIEW homework

Directions: Fill the blanks with the correct vocabulary word

1. _____
the rows in a periodic table that classify elements by select characteristics
2. _____
an element that is usually a gas or brittle solid at room temperature, not malleable or ductile and is a poor conductor of heat and electricity
3. _____
an element that shares some properties of metals and some of non-metal
4. _____
non-metals in group 18 of the period table that are not reactive
5. _____ or _____
the columns on a periodic table that arrange the elements by the number of electrons that are in their outer shell

**For the following multiple choice questions, use your test strategies!!!
Worth 10 points!**

1. Which element is least likely to combine with another element to form a compound?
 - a) Chlorine (Cl), a Halogen
 - b) Iron (Fe), a metal
 - c) Neon (Ne), a Noble Gas
 - d) Silicon (Si), a Metalloid

2. You need to find the mass of an atom. This atom contains 8 neutrons, 7 electrons, and 7 protons. What is the mass of this atom? Record your answer rounded to the nearest whole number

Subatomic Particle	Symbol	Mass in amu
Proton	p ⁺	1.00728 amu
Neutron	n ^o	1.00867 amu
Electron	e ⁻	0.000549 amu

0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

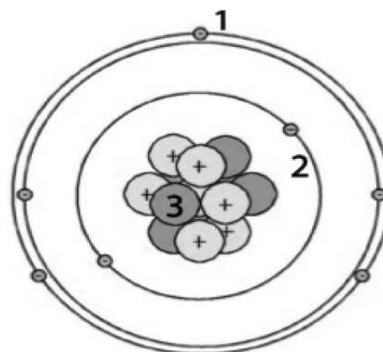
3. Record the mass shown on the triple beam balance below. Fill in the grid below.



0	0	0	0	.	0	0
1	1	1	1		1	1
2	2	2	2		2	2
3	3	3	3		3	3
4	4	4	4		4	4
5	5	5	5		5	5
6	6	6	6		6	6
7	7	7	7		7	7
8	8	8	8		8	8
9	9	9	9		9	9

4. Use the diagram below to answer the question. Which part of this atom determines its chemical reactivity?

- a) 3
- b) 2
- c) 1
- d) 1, 2, and 3



5. Use your periodic table to determine which of the elements in the chart provided is not a metal?

- a) Element A
- b) Element B
- c) Element C
- d) Element D

Element	# of Protons
A	32
B	27
C	11
D	50