

Name \_\_\_\_\_

1<sup>st</sup> mole worksheet – show your set up for each problem

1. Give the molar mass of the following compounds

a) NaCl

b)  $\text{Al}_2(\text{CO}_3)_3$

c)  $\text{Na}_2\text{CO}_3 \cdot 3 \text{H}_2\text{O}$

d) Nitrogen Triiodide

e) Copper(II) Chlorate

f) Nitrous acid

2. Find the mass of 1.25 moles of each of the compounds listed in problem #1

a)

b)

c)

d)

e)

f)

3. Find out the number of moles present in 2.50 grams of each of the compounds listed above.

a)

b)

c)

d)

e)

f)

(More fun on the back)

4. Indicate how many molecules are found in 1.5 moles of each of the compounds listed in #1.

a)

b)

c)

d)

e)

f)

5. Indicate how many moles of atoms are found in 2.5 moles of each of the compounds listed in problem #1.

a)

b)

c)

d)

e)

f)