**Mole HomeWork 1**

**Your name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Do these problems and turn in your completed work in class**

**Monday 21 September. You can put your work on a separate piece of paper or copy this off and do the work in the spaces provided. SHOW WORK or NO CREDIT!!!!**

**1.1 Use the Periodic Table to compute the molecular weight of**

**H2SO4 (sulfuric acid) in grams/mol.**

**H2SO4**

**\_\_\_\_\_\_\_\_\_ g/mol Molecular**

**Weight**

**1.2 How many grams of H2SO4 are in 2.0408 moles of H2SO4 ?**

**\_\_\_\_\_\_\_ g H2SO4**

**1.3. How many molecules of H2SO4 are in 1633.33 g H2SO4?**

(1 mol count =6\*1023)

**\_\_\_\_\_\_\_\_\_ molecules**

**H2SO4**