**Mole HomeWork 3**

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

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

**Friday 25 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!!!!**

**(2 pts each/4 pts total)**

**The molecular mass of crystal meth (C10H13N) is 149 g/mol.**

**Assuming the atomic weights of C=12 g/mol; H=1 g/mol and N=14 g/mol:**

**3.1. How many grams of crystal meth are formed from 0.4362**

 **g H?**

 **\_\_\_\_\_\_\_\_ g meth**

**3.2 How many grams of C are found in 1.6666 mol crystal meth?**

 **\_\_\_\_\_\_\_ g C**