**Mini-quiz #11 Chemistry 1114 section 2 (Fong) 17 Sept 2014 3 pts A**

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

Show work for all problems…or no credit !

The compound n-pentane, C5H12 is a common material used as a fuel additive to promote ignition.

If a sample of pentane contains 300 grams of C ( atomic mass of 12 g/mol) how many moles of pentane

Present ?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ moles pentane

**Mini-quiz #11 Chemistry 1114 section 2 (Fong) 17 Sept 2014 3 pts B**

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

Show work for all problems or no credit

The formula for calcium oxalate is CaC2O4. A chemist determines that a sample of this compound contains 256 grams of O (atomic weight 16 g/mol) . How many moles of calcium oxalate are present ?

 \_\_\_\_\_\_\_\_\_\_\_\_\_ moles Calcium Oxalate

 **Mini-quiz #11 Chemistry 1114 section 2 (Fong) 17 Sept 2014 4 pts C**

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

 Show work for all problems or no credit

TNT has the formula C9H12O3N3. A sample of this explosive material is found to contain 126 grams of N

(atomic weight 14 g/mol). How many moles of TNT are present ?

 \_\_\_\_\_\_\_\_moles TNT