

**NO CREDIT IF YOU: Fail to put in the Units & Properly Round, Fail to show ALL math work**

**Max Grade: 104 points**

**PRINT NAME ON LINE** \_\_\_\_\_

**CHECK CORRECT BOX OR LOOSE 20 PTS**

**Test End time** \_\_\_\_\_

**Wed Afternoon Lab**

**Test Start time** \_\_\_\_\_

**Wed Evening Lab**

**(1 pt) Test Elapsed time** \_\_\_\_\_

**A. Answer the following ( 8 \* 4 Points each = 32 pts )**

**1. In order to have a Limiting Reagent Calculation, you need:**

**2. What is meant by the term “Theoretical Yield”**

**3. A Bronstead-Lowrey Acid is:**

**4. A Lewis Base is:**

**5-6. For the reaction of Hydrochloric Acid ionizing in water to form the Hydronium and Chloride ions, write the reaction and label the Conjugate Acid / Base pair and which are the acids and bases:**

**7. The pH of distilled water is:**

**8. The pH of a solution of Drano [ Sodium Hydroxide ] is approximately:**

**A. Solve the following problems**

**A-1. If I try to react 10.0 g of Magnesium and 12. g of Hydrochloric Acid,**

**(10 pts) A. Write the complete balanced equations**

**(10 pts) B. Will this reaction go to completion?**

**(20 pts) C. How much of each product is generated?**

**(20) A-2. If I try to react 10. g of Sodium Bromide reacting with 12.0 g of Silver Nitrate, if the reaction goes to completion, how much excess of the reagent in excess is there**

