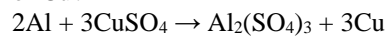Questions to be completed and submitted to work towards <u>credit earned</u> in Chemistry 112.
Please email a picture or scanned copy of your work to Mrs. Arsenault.

Material covered May 18 - 22
1. When 1.87g of Al reacts with 4.65g of $CuSO_4$, 0.85 g of Cu is produced. What is the percent yield of Cu?
   $2Al + 3CuSO_4 \rightarrow Al_2(SO_4)_3 + 3Cu$

2. When 2.40 g of C_2H_2 reacts with 8.40 g of O_2, 0.75 g of H_2O is produced. What is the percent yield of H_2O?
   $2C_2H_2 + 5O_2 \rightarrow 4CO_2 + 2H_2O$
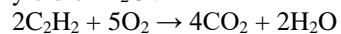
3. If 50.0g of SiO_2 is heated with 40.0g of C, 25.0g of SiC is produced. What is the percent yield of SiC?
   $SiO_2 + 3C \rightarrow SiC + 2CO$