

Experiment 2 Worksheet: Conservation of Copper

Purpose: (A statement should be made here regarding what your experiment is designed to accomplish.)

Procedure: (Describe here how you went about completing your experiment. Use enough detail that someone could repeat it, if necessary. Also reference any books or manual you may have used to assist you.)

Data:

Before Reaction:

Mass of 250 mL side-arm flask _____

Mass of 5 or 6 pieces of solid zinc metal on Kimwipe _____

Mass of 1 Kimwipe _____

Mass of 250 mL side-arm flask with CuSO₄ acidic solution _____

Mass of CuSO₄ acidic solution alone _____

Mass of Zn Metal alone _____

After Reaction:

Mass of metal pieces on Kimwipe _____

Mass of 250 mL side-arm flask with CuSO₄ acidic solution _____

Mass of solution alone _____ Mass of metal pieces alone _____

Calculated mass of H₂ gas alone _____

Total mass before reaction _____ Total mass after reaction _____

Mass % recovered after reaction ($\frac{\text{Total Mass After Reaction}}{\text{Total Mass Before Reaction}} * 100\%$) _____

