

Name: \_\_\_\_\_

<i>AA Analysis of Copper Report Form</i>
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Using Excel produce a standard curve by plotting absorbance versus copper concentration in ppm (mg/L) for the three standard solution concentrations and the blank ( zero absorbance). Attach a print out of the standard curve to the Report Form. Be sure to include labels, equation for the straight line, and the  $R^2$  value.

*Data and Results*

Unknown # \_\_\_\_\_

Calibration curve data:

<i>Concentration (ppm)</i>	<i>Absorbance</i>
0	0
1.25	
2.50	
5.00	

Absorbance of diluted vitamin tablet's solution:

*Using the absorbance value for your vitamin tablet's solution and your standard curve determine the copper in the unknown.*

1. Cu concentration mg/liter of diluted sample:

2. Cu concentration mg/liter of original solution before dilution:

3. The mg of copper per tablet from your concentration in #1 and #2:

*Show calculations and/or explanation for #1, #2, and #3 above.*

