

SAL

DATA SHEET FOR CYCLE OF COPPER

Your name

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Lab partner's name

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Lab section

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DATA AND OBSERVATIONS

Table 1: Data table on mass values

Measured Mass	Units (g)
Erlenmeyer flask (Step 2)	75.98 g
Copper granules (Step 3)	0.48 g
Erlenmeyer flask and dry copper (Step 19)	76.42
Mass of recovered copper	0.44
Calculations on percent of copper recovered	
$\frac{0.44}{0.48} \times 100 = 91.6$	<u>91.6</u> %

Answers to questions in the procedure. They should appear in the Results section of your report. Be detailed.

Step 5: [1] What is in the solution when the reaction is complete? Copper nitrate + water

Step 7: [2] What is formed in the solution besides $\text{Cu}(\text{OH})_2$? NaNO_3 (Sodium nitrate)

Step 11: [3] What is removed by the washing and decantation process? NaNO_3 NaOH

Step 12: [4] What is in the solution now? CuSO_4 copper sulfate, H_2O

Step 13: [5] What happens? [6] What is the gas produced? Redox reaction, Hydrogen

Step 18: [7] What color is the solid material? Reddish brown