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Turning Copper

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**Pennies into
“Silver” and “Gold”!
SCIENTIFIC**

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**Experiment 2
Statistical Analysis
of Pennies Are all ...**

The Determination of
Copper in Pennies By:
Brooke Carmack

Abstract: The percent
composition of copper
was analyzed for both
pre and post 1982

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pennies. This was determined by iodometric titration analysis. 1.0

Introduction: In this experiment, two pennies were analyzed. One of the pennies was pre-1982 while the other was post 1982.

Answers - Penny Lab

Record the minting date of the penny you analyzed with the thickness of the copper layer on the penny and

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the % by mass of copper in the penny.
ANSWER KEY
DISCUSSION/ERROR ANALYSIS. Include a discussion of the following in your lab report: Compare the information about various pennies that is summarized in TABLE 4.

Experiment 8: Penny Statistics

Step 1: Rinse a penny in tap water and dry completely. Step 2:

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Place the penny on paper towel. Step 3: Use an eye dropper to place drops of WATER on the penny (one at a time) until ANY amount of water runs over the edge of the penny. Step 4: Record the number of drops for that trial in the table.

Determination*of*th e*Mass*Percentage* * ofCopperinaPenny

...

Wash and rinse a

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penny in tap water. Dry it completely with a paper towel. Place the penny on a flat surface. The flatter the surface, the better this experiment is going to go.

Take a Guess

1 Determination*of*the
*Mass*Percentage**
ofCopperinaPenny* *
Introduction* * This*ex
periment*will*cost*you
*one*penny*(\$0.01).**
The*penny*must*be*m

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inted*

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**AP Chemistry Lab #1
1 Gravimetric
Analysis of the
Percent ...**

Introduction:

Laboratory

experiments frequently
involve the collection
of numerical data, and
often as a way to limit
the errors, these data
are collected in
duplicate. Statistical
analysis refers to a
class of mathematical

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analyses that can be performed on data to ensure they are the best they can be—that is,

Penny Lab Review Flashcards | Quizlet

Analysis of a Penny -
Pre Lab - Objectives-To
become... Hold a 2-cm
strip of magnesium
ribbon with crucible
tongs, and ignite the
metal in a hot burner
flame. Decomposition
Reactions 1. Put a pea-

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Key
sized portion of copper
(II) sulfate

pentahydrate crystals
into a dry test tube.

Grasp the test tube
with a test tube holder
and heat with a burner.

Drops on a Penny | Experiments | Steve Spangler Science

Chem 125 Penny Lab
Report Purpose and

Hypothesis: The
purpose of this
experiment was to find
if the composition of a

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Answer Key

post-1962 penny has remained constant throughout the years. We were also testing to see what material(s) the pennies in 2006 are now composed of. We were informed before our experiment of the many changes the composition of the penny has gone through over the years.

**Copper penny lab
write up: experiment
6 - CHEM 2070 -**

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AP Chemistry Lab #1 1
Gravimetric Analysis of
the Percent
Composition of a
Copper Penny.

PURPOSE. To
determine the
percentages of copper
and zinc in a penny.
BACKGROUND. Pennies
dated up to 1981 are
made of copper. Post
1983 pennies are not
all copper. Instead they
have a zinc core that is
surrounded by copper

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plating.
Answer Key

**Penny Lab Report -
Chem 125 Penny Lab
Report Purpose and**

...

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**Copper Penny Lab -
PLEASE help me
answer this question**

...

lab report for this

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experiment. for lab report: 1. Provide a graph of mass vs. year minted. Use a scatter plot to make the graph. Plot the pre-1983 data and post-1982 data as two separate series. Label the axis well and make it look pretty. Add a regression lines to each series in the plot. 2. Does the mass of a penny increase or decrease as it circulates?

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experiment 8: penny lab Flashcards | Quizlet

copper cladding on
penny experiment
abstract in this
experiment, the
concentration of
copper in penny was
found dissolving the
penny in solution and
measuring. ... This was
the lab write up for
experiment 6.

Academic year. 14/15.

Ratings. 15 9. Share.

Copy. Comments.

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penny lab **Flashcards | Quizlet**

Copper Penny Lab -
PLEASE help me
answer this question!?
I did a chemistry lab in
which i heated copper
pennies in sodium
hydroxide solution
(changed the copper to
"silver"), then heated it
on hot plate (changed

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Penny Lab
the "silver" to "gold").

Answer Key

**Analysis of a Penny -
Pre Lab - Objectives-
To become ...**

- b. Data needed to determine penny volume
- c. Table of Year, Mass, Volume and Density. Arranged in chronological order, using ONE volume, and following sig. figs. Part II Data
- d. Data table for chemical analysis (mass of penny chunks, metal salt, etc)

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IV. PART I Calculations
or Analysis a.

The Determination of Copper in Pennies - Odinity

When removed from the solution and placed on the surface of the hot plate, the brass alloy coating on the penny turns a golden color. Placing copper, or a copper-coated penny, in a mixture of zinc metal and aqueous zinc chloride

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causes zinc metal to plate out on the copper surface.

THE SPECTROPHOTOMETRIC DETERMINATION

Surface tension refers to water's ability to stick to itself. surface tension can be measured and observed by dropping water (drop drop) onto a penny. the number of drops that fit on penny will surprise you. This

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lab illustrates scientific method tension.

Penny Lab Write - Appleton Area School District

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Analysis Of A Penny Lab

Penny Lab Review. A

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chemical reaction between the zinc and the copper. Occurred when heated. Evidence was a new color; gold was not there before. They bonded, created to create brass (an alloy of zinc and copper) It was a chemical change.