



12. Zinc Layers

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Reporter's Theory - Pros & Cons

1. Used photos to explain the phenomenon
2. Was well aware of the phenomenon he explained

1. Not enough theory
2. Focused too much on plating
3. Not enough explanation about the formulas used
4. Included a formula about the coin's density but did not use it for the experiment

Hypotheses & Experiment - Pros & Cons

1. Included pictures from the experimental procedure
2. Included graphs
3. Controlled the environmental temperature

1. Lacked hypothesis and parameters
2. Did not include possible errors and error bars
3. Not enough explanation about the experimental procedure
4. Coin was not pure copper
5. Did not know the content of the coin
6. Could not fully answer some questions
7. Did not use pure metals
8. Did not control parameters such as humidity

Suggestions for further improvement

1. Use pure metals
2. Control the environmental conditions better
3. Test more Zn concentrations
4. Be more clear about the formula that you used in the presentation
5. Use sensors to control the environmental conditions

Topics for discussion

1. Zn concentration
2. Testing other metals as alloys
3. Does the layer form on both sides of the coin
4. How does the coin get out of the solution without disrupting the Zn layer
5. Error bars

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Thank You!

Greece - Team Fryganiotis

Danae Rapti