

Name: _____

Date: _____



“ Dirty Money ”

Mr. Baxter and Mrs. Sheffield want to combine both their penny collections together into one giant collection. However, lots of their pennies are rather ooky-looking. So, they were thinking it might be a good idea to clean the pennies before putting them on display. Other teachers have suggested several different solutions they could use to safely clean pennies. But they want to know which is the most efficient before they do all that work! Your task is to design an experiment to test these solutions and decide which one does the best job cleaning dirty pennies.

So far you have been given the following materials:

- Pennies
- Lemon Juice solution
- Vinegar solution
- Soap solution
- Baking Soda solution
- Small cups
- Paper towels

You **do not** have to use all materials listed. Think carefully about what **other** tools or materials you need to effectively conduct your experiment. Add any additional materials you need to the list.

Create an experimental design plan to test how well these solutions clean pennies.

Hypothesis:

Independent Variable (the ONE variable I will change):

Constants (the factors I have to make sure stay the same):

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Procedure:

(Remember: you can illustrate your procedures, but it must be clearly labeled!)

Plan for measuring results & recording data: