

Clean Penny Challenge



This gets messy! Make sure you are working with your parent's permission in an area that can get a little messy!

Your Challenge: Create a chemical reaction that will clean a penny the best.

Here's what you'll need:

- Old Pennies
- Vinegar
- Water
- Salt
- Baking Soda
- Ketchup
- Citrus Juice (lemon, orange, etc.)

Procedure:

Design an experiment. You may use the data table below, or create one of your own! Determine a system that you can use to discover which combination of ingredients creates the best, "Penny Cleaner!"



Once you've solved the problem, click [here](#) to vote for the best solution! Once you've submitted, click on "See Previous Responses" to see the results from other experimenters!



Data Table



	Observations	Penny (put here)	Rank (1 is best, 9 is worst)
Water (Control Group)			
Salt and Water			
Vinegar and Water			
Ketchup and Water			
Juice and Water			
Salt and Baking Soda			
Vinegar and Baking Soda			
Ketchup and Baking Soda			
Juice and Baking Soda			